HISTORY

Model Name : KDL-32/40/46/52W4000 & KDL-32/40/46/52W4220
SERVICE MANUAL

Click on Page Number to display detail of changes.

Date	Part Number	Description of Revisions	Version
2008.04	9-927-591-01	Original Manual.	1.0
2008.05	9-927-591-02	Deletion of TT Commands not used on these models and revision of BE1 Board for 32" model. (P.14, P.45, P.50)	2.0
2008.06	9-927-591-03	Correction to a specification table (P.5) and addition of inverter board part numbers (P.46).	3.0

Self Diagnosis Supported model

SERVICE MANUAL

EG1L CHASSIS

MODEL	DEST	MODEL	DEST
KDL-32W4000	OIRT / UK / WE	KDL-32W4220	OIRT / WE
KDL-40W4000	OIRT / UK / WE	KDL-40W4220	OIRT / WE
KDL-46W4000	OIRT / UK / WE	KDL-46W4220	OIRT / WE
KDL-52W4000	OIRT / UK / WE	KDL-52W4220	OIRT / WE

RM-ED011

FLAT PANEL COLOR TV

SONY®

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WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED ⚠ ON THE EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

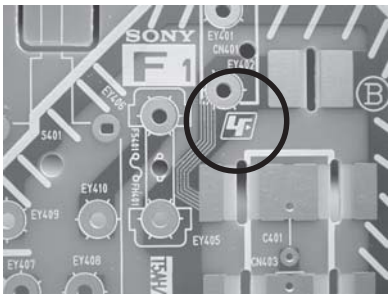
SECTION 1 GENERAL

CAUTION

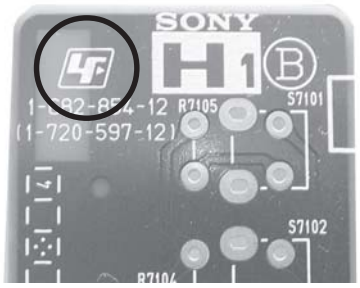
Lead Free Soldered Boards

The circuit boards used in these models have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. F1, H1 etc [see examples]. The servicing of these boards requires special precautions to be taken as outlined below.

example 1



example 2



Lead Free Solder material must be used to comply with environmental requirements of new solder joints. Lead Free Solder is available under the following part numbers :

Partnumber	Diameter	Remarks
7-640-005-19	0.3mm	0.25Kg
7-640-005-20	0.4mm	0.50Kg
7-640-005-21	0.5mm	0.50Kg
7-640-005-22	0.6mm	0.25Kg
7-640-005-23	0.8mm	1.00Kg
7-640-005-24	1.0mm	1.00Kg
7-640-005-25	1.2mm	1.00Kg
7-640-005-26	1.6mm	1.00Kg

Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.

For more information on the use of Lead Free Solder, please refer to *http://www.sony-training.com*

CAUTION

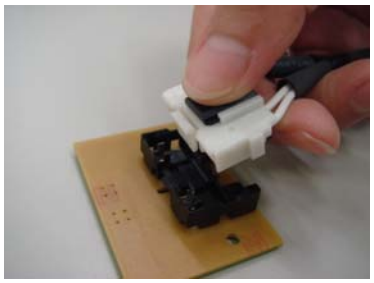
Attachment of HIROSE MDF 61 connector

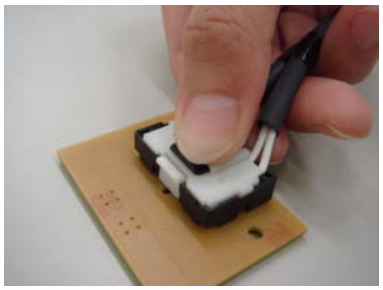
1. Insertion

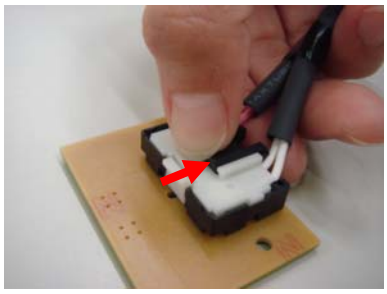
(1) Hold the center of a connector

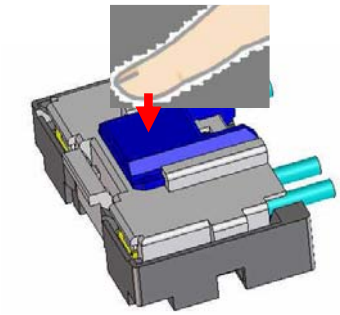
(2) Press the center of the connector to insert it

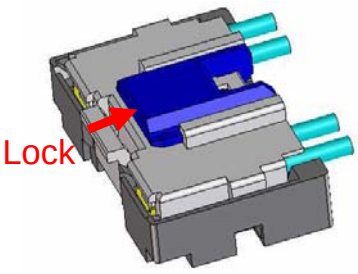
(3) Slide the slider to lock the connector









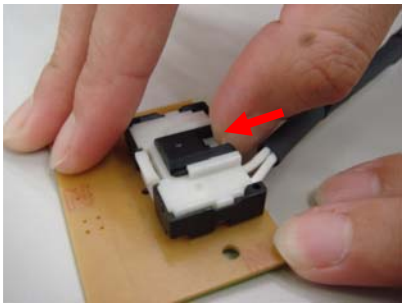


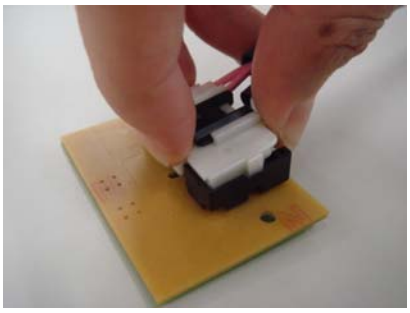
Detachment of HIROSE MDF61 connector

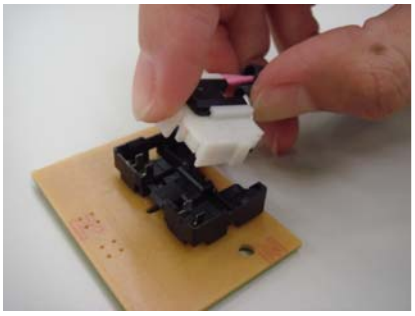
2. Detachment

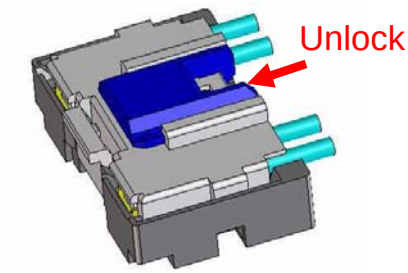
(1) Slide the slider to release the slider lock

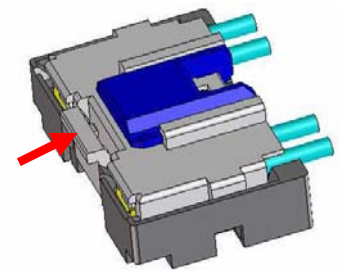
(2) Press the center lock tab to release the lock and pull the connector up











SPECIFICATIONS

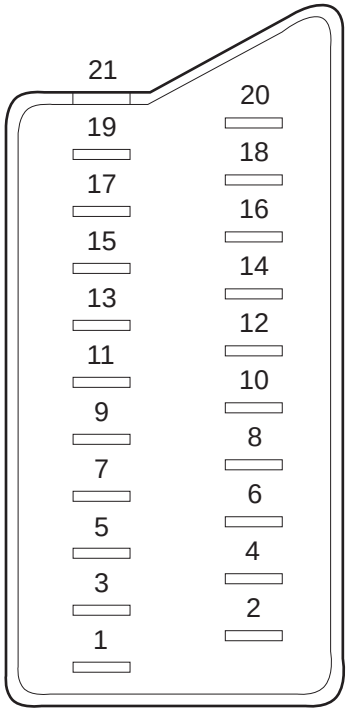
Television System	Channel Coverage	Colour/Video System
Analogue: Depending on your country/region B/G/H, D/K, L, I Digital: Depending on model DVB-T/DVB-C	Analogue: VHF : E2-E12 UHF : E21-E69 CATV : S1-S20 HYPER : S21-S41 D/K: R1-R12, R21-R69 L: F2-F10, B-Q, F21-F69 I: UHF B21-B69 Digital: VHF/UHF	Analogue: PAL, SECAM NTSC 3.58/4.43 (VIDEO IN) Digital: MPEG-2 MP@ML/HL, H.264/MPEG-4 AVC HP@L4.0, MP@L3.0

Picture Size	LCD(Liquid Crystal Display) Panel Approx 81.3cm (32 inches) Approx 101.6cm (40 inches) Approx 116.8cm (46 inches) Approx 132.1cm (52 inches)	**Sound Output**	
		Right and Left speaker	2 x 10W (RMS)
Input/Output Terminals [REAR]		**General Specifications**	
1: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals.	Power Requirements	220 - 240V
		Power Consumption/ Standby	120W/0.19W (Home/Standard mode) (32") 143W/0.19W (Shop/Vivid mode) (32") 176W/0.19W (Home/Standard mode) (40") 201W/0.19W (Shop/Vivid mode) (40") 225W/0.19W (Home/Standard mode) (46") 243W/0.19W (Shop/Vivid mode) (46") 223W/0.19W (Home/Standard mode) (52") 253W/0.19W (Shop/Vivid mode) (52")
2: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB and S Video. Outputs of Video and Audio signals (Selectable). SmartLink interface.	Dimensions	794x577x242mm (32" with stand) 794x540x99mm (32" without stand) 986x684x279mm (40" with stand) 986x646x110mm (40" without stand) 1120x782x307mm (46" with stand) 1120x742x115mm (46" without stand) 1262x871x347mm (52" with stand) 1262x829x119mm (52" without stand)
		Weight	Approx 15.5kg (32" with stand) Approx 13.0kg (32" without stand) Approx 21.5kg (40" with stand) Approx 18.5kg (40" without stand) Approx 29.0kg (46" with stand) Approx 25.0kg (46" without stand) Approx 38.0kg (52" with stand) Approx 32.0kg (52" without stand)
Component In	Supported formats:1080/24p, 1080p, 1080i, 720p, 576p, 576i, 480p, 480i Y:1 Vp-p, 75 ohms, 0.3V negative sync PB/CB:0.7 Vp-p, 75 ohms PR/CR:0.7 Vp-p, 75 ohms Audio input:Phono jacks	Supplied Accessories	RM-ED011 Remote Commander (1) IEC designated R06 battery (2) Mains lead (Type BF) (1) Coaxial cable (1) Support belt (1) and screws (2)
HDMI Inputs	Video:1080/24p, 1080p, 1080i, 720p, 576p, 576i, 480p, 480i Audio:Two channel linear PCM 32, 44.1 and 48kHz, 16, 20 and 24 bits Analogue audio input:500mVrms, 47Kohms (HDMI IN 2 only)	Other Features	High Picture Quality, Intergrated digital TV Tuner, HFD 1920x1080, Dynamic Contrast, BBE digtal,Dolby Virtual Surround, XMB, USB Input, 3 HDMI inputs, PC input.
PC Input	Video:15 Pin D Sub Connector Audio:Minijack		
Digital Out	Digital Optical Jack Audio Output:Phono jacks		
CAM	Conditional Access Module		
Input/Output Terminals [SIDE]		**Remote control system : Infrared control**	
Headphone jack	Stereo mini jack	Power requirements	3V dc 2 batteries IEC designation R06 (size AA)
Audio input	Phono jacks		
Video input	Phono jack		
USB input	USB port		
HDMI input	HDMI Connector		
Design and specifications are subject to change without notice.			

Ver 3.0

CONNECTORS

21 Pin Connector (SCART)



Pin No	1	2	Signal	Signal level
1	○	○	Audio output B (right)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
2	○	○	Audio input B (right)	Standard level : 0.5V rms Output impedence : More than 10kohm*
3	○	○	Audio output A (left)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
4	○	○	Ground (audio)	
5	○	○	Ground (blue)	
6	○	○	Audio input A (left)	Standard level : 0.5V rms Output impedence : More than 10kohm*
7	○	○	Blue input	0.7 +/- 3dB, 75 ohms positive
8	○	○	Function select (AV control)	High state (9.5-12V) : Part mode Low state (0-2V) : TV mode Input impedence : More than 10K ohms Input capacitance : Less than 2nF
9	○	○	Ground (green)	
10	●	○	AVlink	
11	○	○	Green	Green signal : 0.7 +/- 3dB, 75 ohms, positive
12	●	●	Open	
13	○	○	Ground (red)	
14	○	○	Ground (blanking)	
15	○	○	Red input	0.7 +/- 3dB, 75 ohms, positive
	-	-	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16	○	○	Blanking input (Ys signal)	High state (1-3V) Low state (0-0.4V) Input impedence : 75 ohms
17	○	○	Ground (video output)	
18	○	○	Ground (video input)	
19	○	○	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	○	○	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
	-	-	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
21	○	○	Common ground (plug, shield)	

○ Connected ● Not Connected (open) * at 20Hz - 20kHz

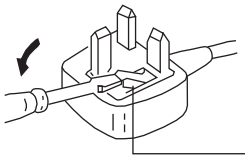
UK PLUG WARNING

WARNING (UK Models only)

The flexible mains lead is supplied connected to a **B.S. 1363** fused plug having a fuse of the correct rating for the set. Should the fuse need to be replaced, use a fuse of the same rating approved by ASTA to **BS 1362**, ie one that carries the ASTA mark.

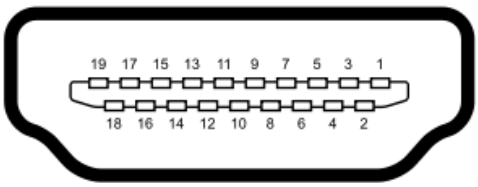
IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR THE OUTLET SOCKETS IN YOUR HOME, IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET.

When an alternative type of plug is used, it should be fitted with the correct rating fuse, otherwise the circuit should be protected by the same rating fuse at the distribution board.



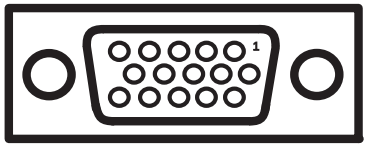
How to replace the fuse.
Open the fuse compartment with a screwdriver blade and replace the fuse.

HDMI Connector



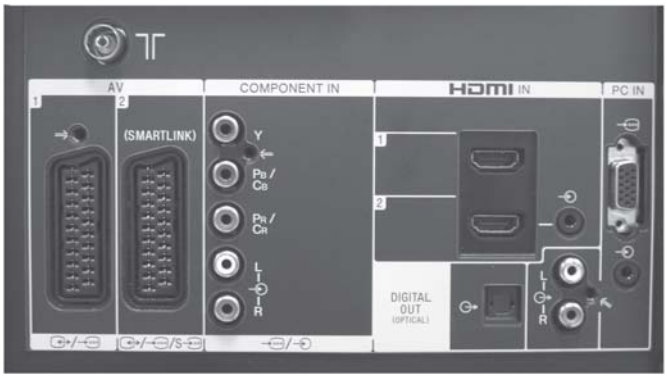
Pin No	Signal Assignment	Pin No	Signal Assignment
1	TMDS Data2+	11	TMDS Clock Shield
2	TMDS Data2 Shield	12	TMDS Clock-
3	TMDS Data2-	13	CEC
4	TMDS Data1+	14	Reserved (N.C. on device)
5	TMDS Data1 Shield	15	SCL
6	TMDS Data1-	16	SDA
7	TMDS Data0+	17	DDC/CEC Ground
8	TMDS Data0 Shield	18	+5V Power
9	TMDS Data0-	19	Hot Plug Detect
10	TMDS Clock+		

15 Pin D Sub Connector (PC)



Pin No	Signal Assignment	Pin No	Signal Assignment
1	Red Out	9	+5V DC
2	Green Out	10	Sync Return (Ground)
3	Blue Out	11	Monitor ID0 in Display
4	Unused	12	DCC Serial Data
5	Ground	13	Horizontal Sync
6	Red Return	14	Vertical Sync
7	Green Return (Ground)	15	DCC Serial Clock
8	Blue Return (Ground)		

Rear Connection Panel



Side Connection Panel

USB Port

Pin No	Signal Assignment
1	+5V
2	Data -
3	Data +
4	Ground

EG1L SELF DIAGNOSTIC SOFTWARE

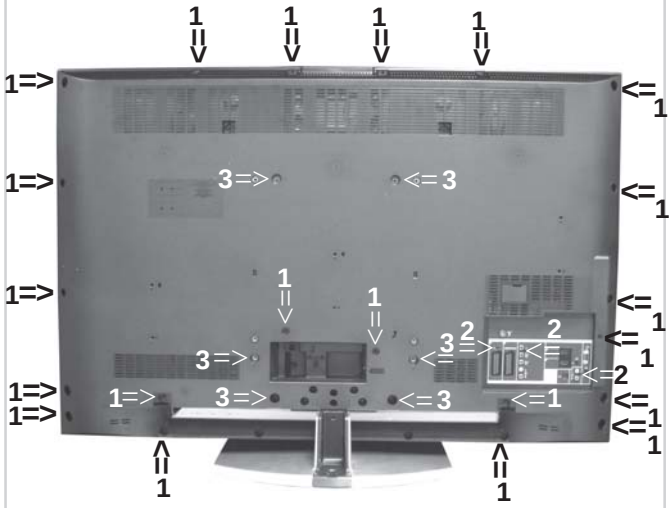
The identification of errors within the EG1L chassis is triggered in one of two ways :- 1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with a continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted).

LED Error Codes and Descriptions

Number of LED Flashes	Error Description	Micro	Checked	Action
02	DC_DET (12V main voltage).	VERD	In normal mode.	Goes into standby and LED flashes.
06	Panel Det error.	VERD	In normal mode.	Goes into standby and LED flashes.
07	Internal temperature error.	VERD	In normal mode.	Goes into standby and LED flashes.
08	Audio error (SP protection).	VERD	In normal mode.	Goes into standby and LED flashes.
10	Digital error.	VCT	In normal mode.	Adds error to error menu.
11	NVM error.	VCT	In initialisation state.	Adds error to error menu.
12	I2C error VCT.	VCT	In normal mode.	Adds error to error menu.
13	Balancer error.	VERD	In normal mode.	Goes into standby and LED flashes.
14	HDMI error.	VCT	In initialisation state.	Adds error to error menu.
15	Tuner Error	VCT	In initialisation state.	Adds error to error menu.
16	I2C CH1 (VERD TAS).	VERD	Factory mode.	LED error.
17	I2C CH0 (VERD NVM/RTC).	VERD	Factory mode.	LED error.
18	Digital demod.	EMMA	In normal mode.	Adds error to error menu.
19	USB error	EMMA	In normal mode.	Adds error to error menu.
20	CI error	EMMA	In normal mode.	Adds error to error menu.
21	VCT error	VERD	In normal mode.	LED error.
22	MSP error.	VCT	In initialisation state.	Adds error to error menu.

SECTION 2 DISASSEMBLY

2-1. Rear Cover Removal

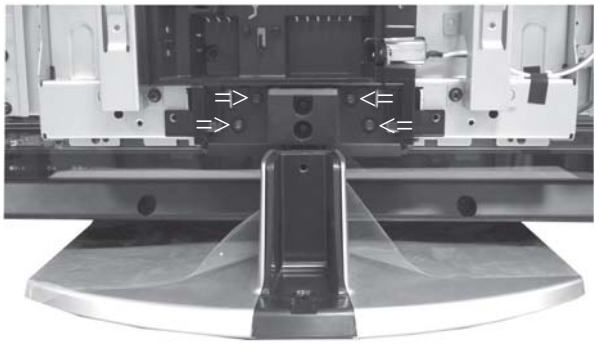


Remove the rear cover fixing screws indicated (40/42/52" = thirty screws, 32" = twenty two screws) and pull the rear cover gently backwards away from the back of the TV set.

Screw Part number(s) and Description(s)

1) 2-580-640-01 SCREW, +BVTP2 4X16
2) 7-685-648-79 SCREW, +BVTP 3X12 TYPE2 IT-3
3) 2-580-608-01 SCREW, +PSW M5X16

2-2. Stand Removal

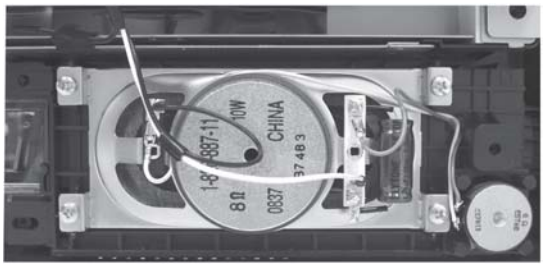


Remove the four stand fixing screws as indicated.

Screw Part number(s) and Description(s)

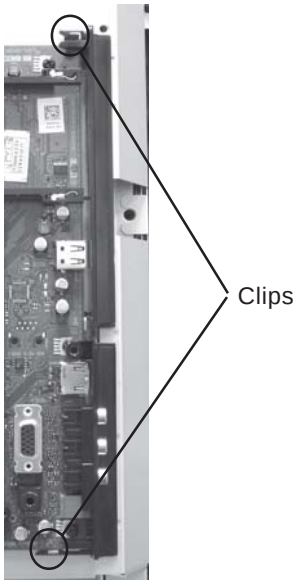
2-580-608-01 SCREW, +PSW M5X16

2-3. Loudspeaker Removal



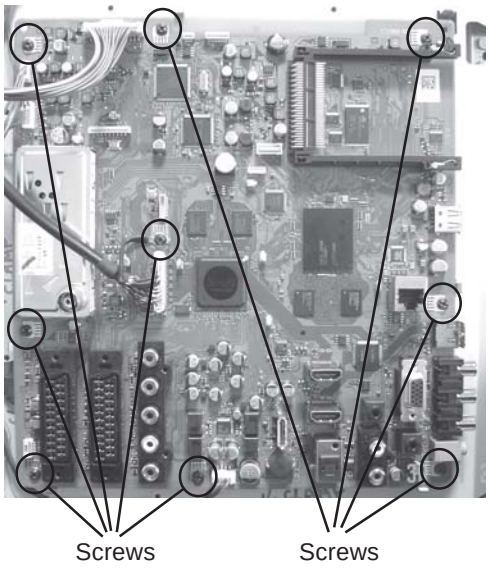
To remove the loudspeaker disconnect the speaker cables and then pull the loudspeaker gently backwards away from the back of the TV set.

2-4. Side Jack Bracket Assy Removal



To remove the side jack bracket assy release the clips circled.

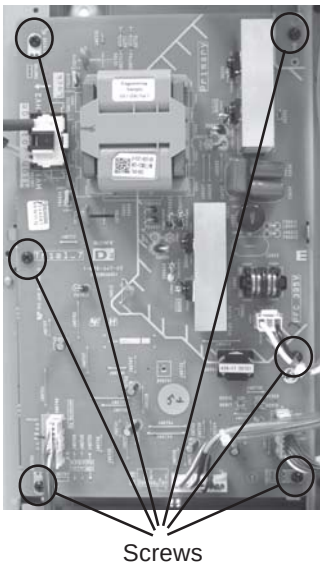
2-5. BE1 Board Removal



To remove the BE1 board disconnect all connectors and then remove the nine screws circled and ease the board gently away from the back of the TV set.

Screw Part number(s) and Description(s)
2-580-629-01 SCREW, +BVST 3X8

2-6. D4 Board Removal (52 inches)

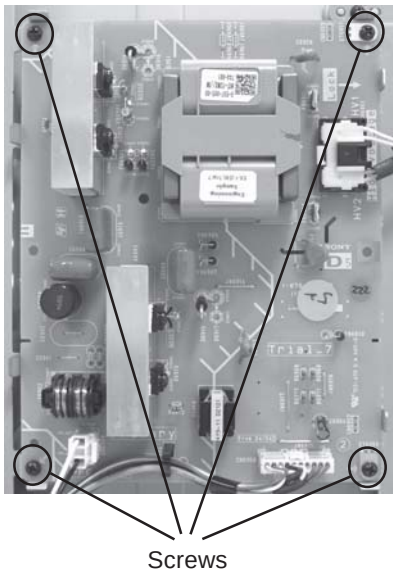


To remove the D4 board disconnect all connectors and then remove the six screws circled and ease the board gently away from the back of the TV set.

Note: Refer to page 4 - Hirose MDF61 connector.

Screw Part number(s) and Description(s)
2-580-629-01 SCREW, +BVST 3X8

2-7. D5 Board Removal (52 inches)

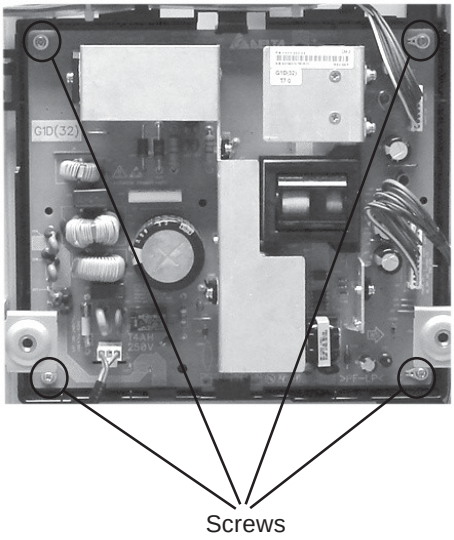


To remove the D5 board disconnect all connectors and then remove the four screws circled and ease the board gently away from the back of the TV set.

Note: Refer to page 4 - Hirose MDF61 connector.

Screw Part number(s) and Description(s)
2-580-629-01 SCREW, +BVST 3X8

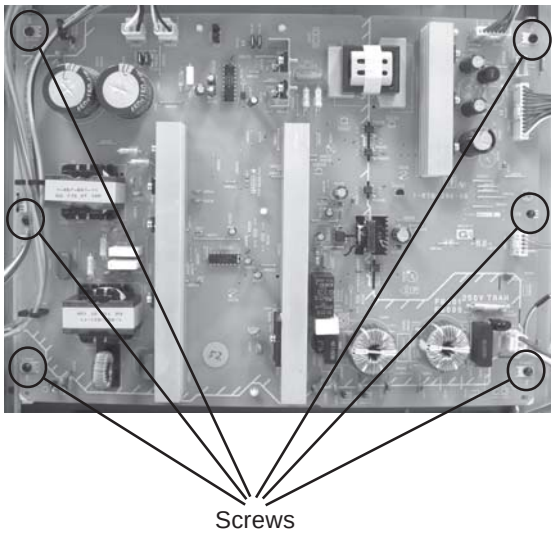
2-8. G1D Board Removal (32 inches)



To remove the G1D board disconnect all connectors and then remove the four screws circled and ease the board gently away from the bracket.

Screw Part number(s) and Description(s)
2-674-965-31 SCREW, +PSW 3SG

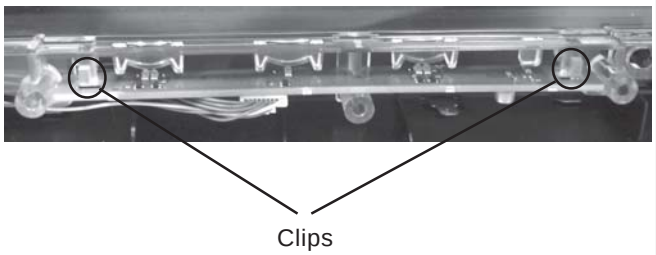
2-9. G5 Board Removal (52 inches)



To remove the G5 board disconnect all connectors and then remove the six screws circled and ease the board gently away from the back of the TV set.

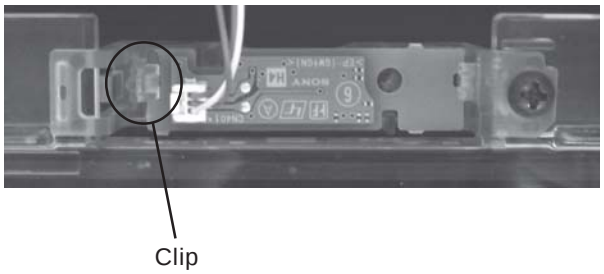
Screw Part number(s) and Description(s)
2-580-629-01 SCREW, +BVST 3X8

2-10. H3E Board Removal



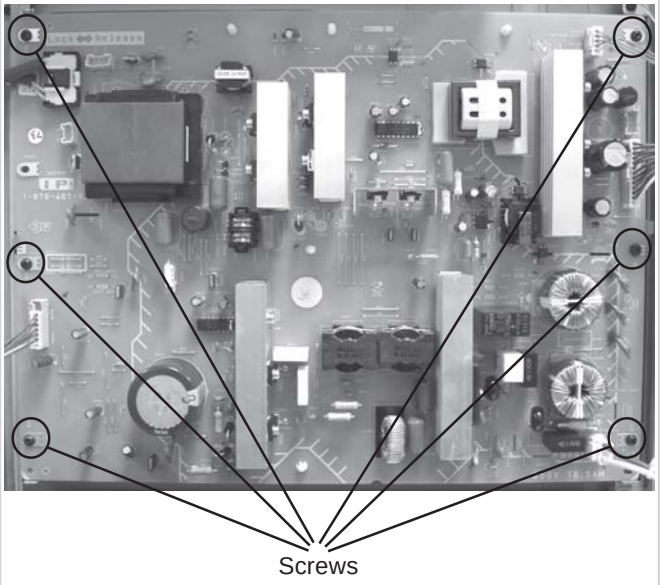
To remove the H3E board disconnect the connector and then release the clips circled and gently ease the board towards you and away from the back of the TV set.

2-11. H4 Board Removal



To remove the H4 board disconnect the connector and then release the clip circled and ease the board gently towards you and away from the back of the TV set.

2-12. IP5 Board Removal (40/46 inches)



To remove the IP5 board disconnect all connectors and then remove the six screws circled and ease the board gently away from the back of the TV set.

Note: Refer to page 4 - Hirose MDF61 connector.

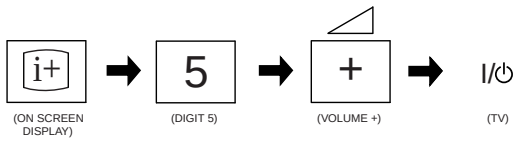
Screw Part number(s) and Description(s)
2-580-629-01 SCREW, +BVST 3X8

SECTION 3 ADJUSTMENTS

3-1. How to enter the Service Mode

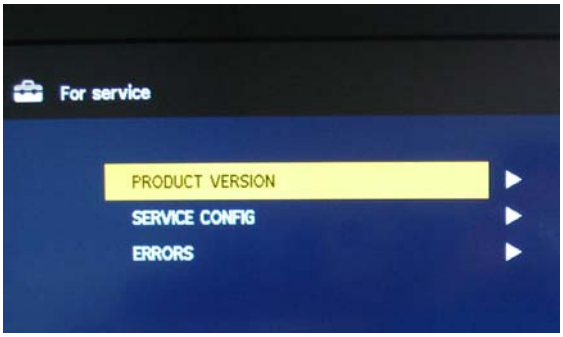
Service adjustments to this model can be performed using the supplied Remote Commander RM-ED011.

1. Turn on the power to the TV set and enter into the stand-by mode.
2. Press the following sequence of buttons on the Remote Commander.



3. The following menu appears on the screen (See Pic.1).

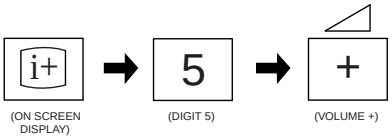
Pic.1



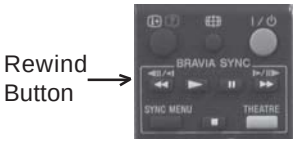
4. Move to the corresponding adjustment item using the '↑' or '↓' arrow buttons on the Remote Commander.
5. Press the '→' arrow button to enter into the required menu item.
6. Adjust the data value using the '↑' or '↓' arrow buttons on on the Remote Commander.
7. To go back at any time press the 'Return' button on the Remote Commander.
8. Press the 'Menu' button on the Remote Commander to quit the Service Mode when all adjustments have been completed.

Note :

- To place the Remote Commander in 'Service Mode' press the following buttons together for two seconds.



- To use the Remote Commander in 'Service Mode' press the rewind button on the Remote Commander twice.



TT will then appear in the bottom right hand corner of the TV.

- To take the Remote Commander out of 'Service Mode' press the same buttons above together again for two seconds or remove the batteries from the Remote Commander.
- After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON again.

3-2. Product Version

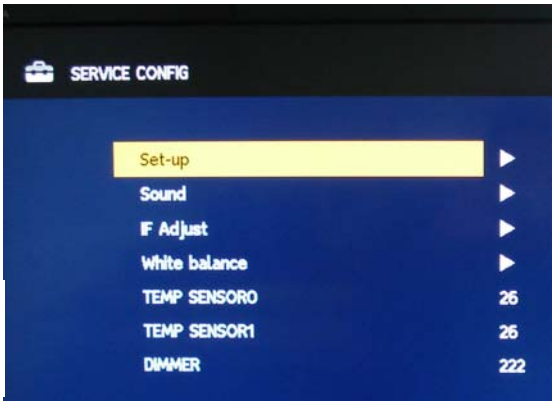
1. The following menu appears on the screen when you enter the 'Product Version' menu (See Pic.2). Be sure to check all pages.

Pic.2

3-3. Service Config

1. The following menu appears on the screen when you enter the 'Service Config' menu (See Pic.3).

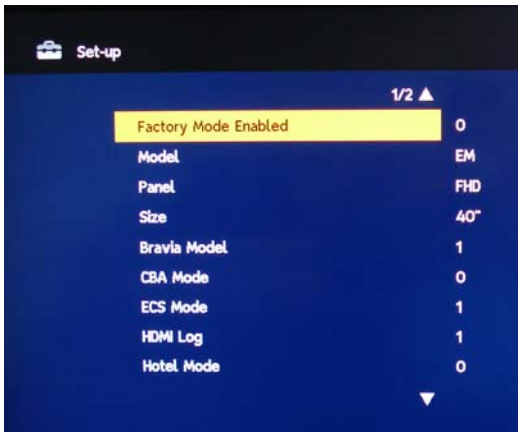
Pic.3



3-3-1. Set-Up

1. The following menu appears on the screen when you enter the ‘Set-up’ menu (See Pic.4). Be sure to check all pages.

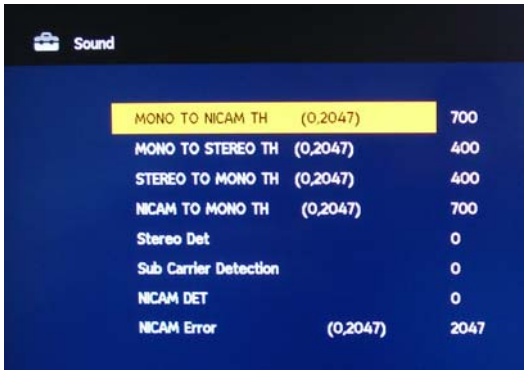
Pic.4



3-3-2. Sound

1. The following menu appears on the screen when you enter the ‘Sound’ menu (See Pic.5).

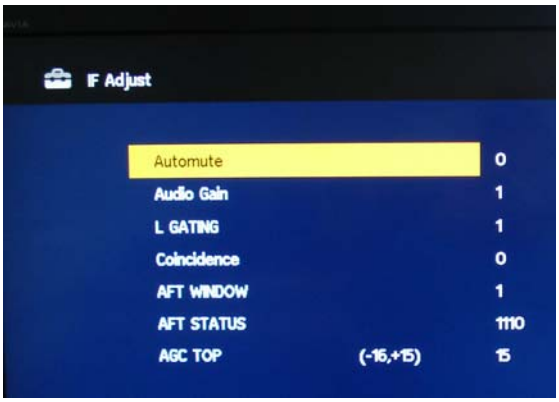
Pic.5


Sound
MONO TO NICAM TH (0,2047) 700
MONO TO STEREO TH (0,2047) 400
STEREO TO MONO TH (0,2047) 400
NICAM TO MONO TH (0,2047) 700
Stereo Det 0
Sub Carrier Detection 0
NICAM DET 0
NICAM Error (0,2047) 2047

3-3-3. IF Adjust

1. The following menu appears on the screen when you enter the ‘IF Adjust’ menu (See Pic.6).

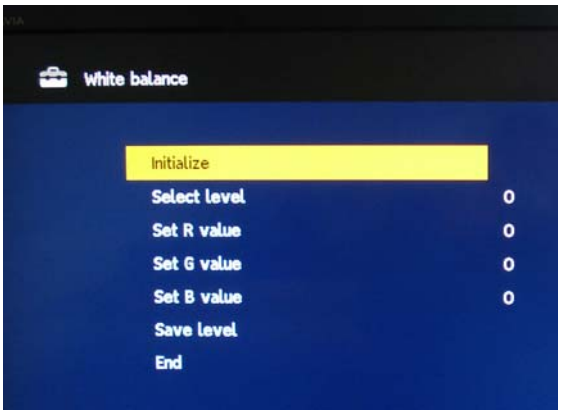
Pic.6



3-3-4. White Balance

1. The following menu appears on the screen when you enter the ‘White balance’ menu (See Pic.7).

Pic.7



3-4. Error Menu

1. The following menu appears on the screen when you enter the 'Error Menu' menu (See Pic.8). Be sure to check all pages.

Pic.8

3-5. TT MODE

TT mode is available by setting the TV and Remote Commander for operation in Service Mode [As shown on Page 12]. The functions described below are then available by selecting the two numbers. To release the 'TT mode' press 00. To release the TT menu press the menu key.

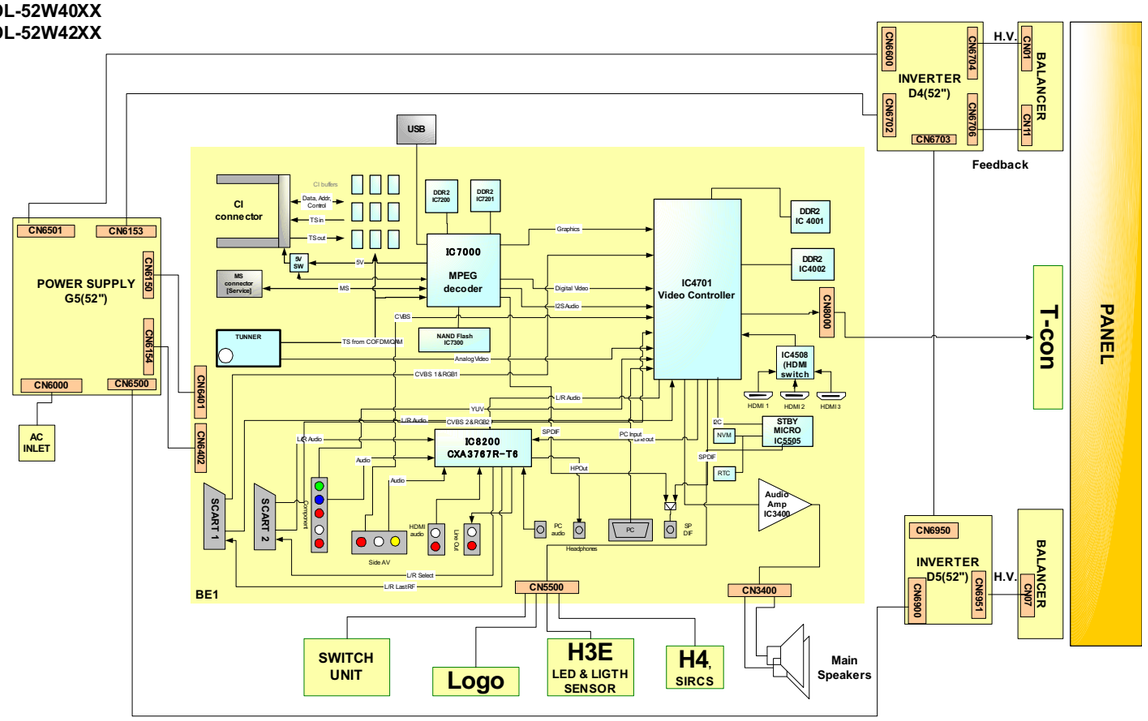
00	'TT' mode off
03	Set volume to 35%
04	Set volume to 50%
05	Set volume to 65%
06	Set volume to 80%
07	Ageing mode on
08	Shipping Condition
09	WB adj initial condition
19	Factory mode toggle (on/off)
24	32" FHD (W4000)
25	40" FHD (W4000)
26	46" FHD (W4000)
27	CBA mode toggle (ON/OFF)
31	ECS mode toggle (ON/OFF)
32	Set BCN channels preset
34	HDMI log enable/disable
35	Hotel mode toggle
37	PC monitor mode toggle
38	OTRUM mode toggle
39	Enable digital test
41	Re-initialise NVM

Ver 2.0

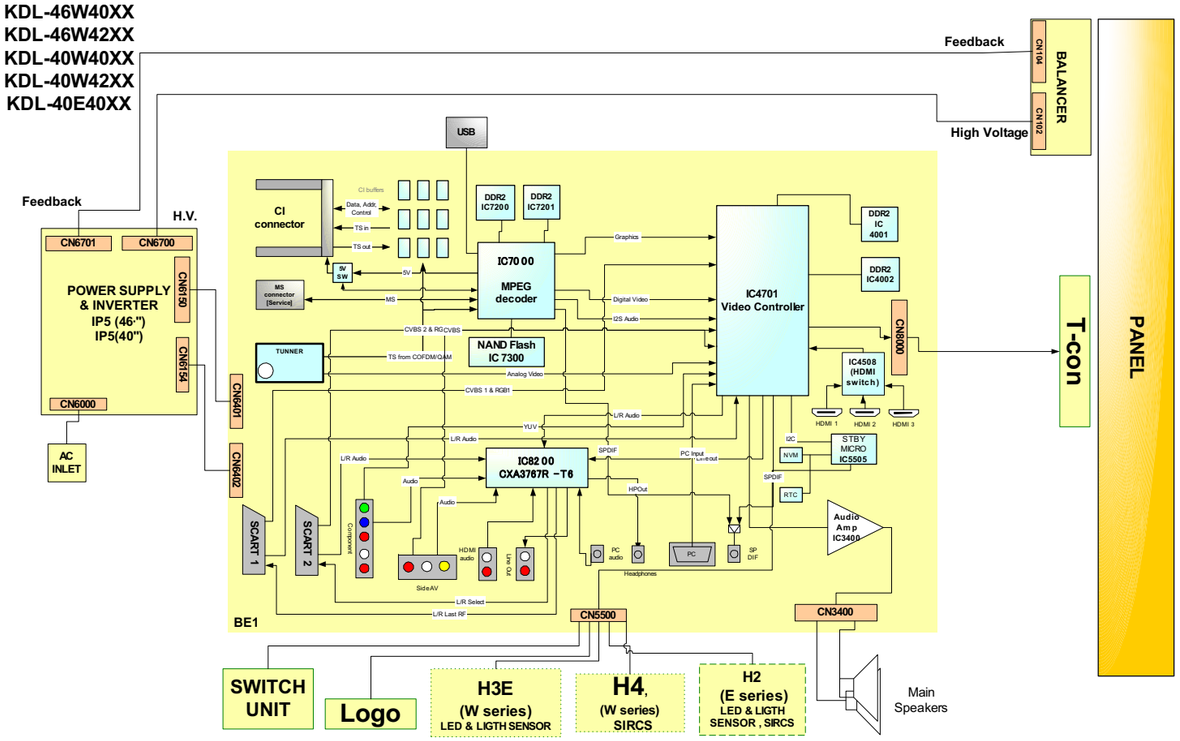
43	Select Dual Sound A
44	Select Dual Sound B
45	Select Dual Sound Mono
46	Select Dual Sound Stereo
48	Set NVM as non-virgin
49	Set NVM as virgin
51	Hybrid / Alps tuner selection
52	Temperature sensor enable/disable
53	XV colour enable/disable
54	Watchdog toggle
56	Set Bravia model enable/disable
58	Reset package version
59	Visual I2C toggle (VCT micro slave mode)
61	Set 52" FHD (W4000)
65	Set 37" FHD (Old trial models)
69	WXGA/FHD panel selection
71	Auto AGC
72	VESA/JEIDA panel selection
73	HDMI number of inputs (0 to 2)
74	DDC enable
75	Set centred balance
76	Set volume to max
77	Set volume to min
78	Set balance full left
79	Set balance full right
81	Digital BER display
82	Digital Service menu
83	Digital colour bar output from DENC
84	TS CI path through
85	Digital tuner power down (Only one power cycle, default is no power down)
86	Switch between two digital SW banks
87	Local keys test
88	Digital shipping conditions (Clear tune database)
89	LED test
91	OAD enable/disable toggle
92	TS CI path through with Reed Solomon off
94	Spread spectrum toggle
96	Digital debug output enable/disable
97	Digital 656 output enable/disable
98	Digital Auto Reset function enable/disable
99	Display Error and Working Time menu

4-1. BLOCK DIAGRAMS

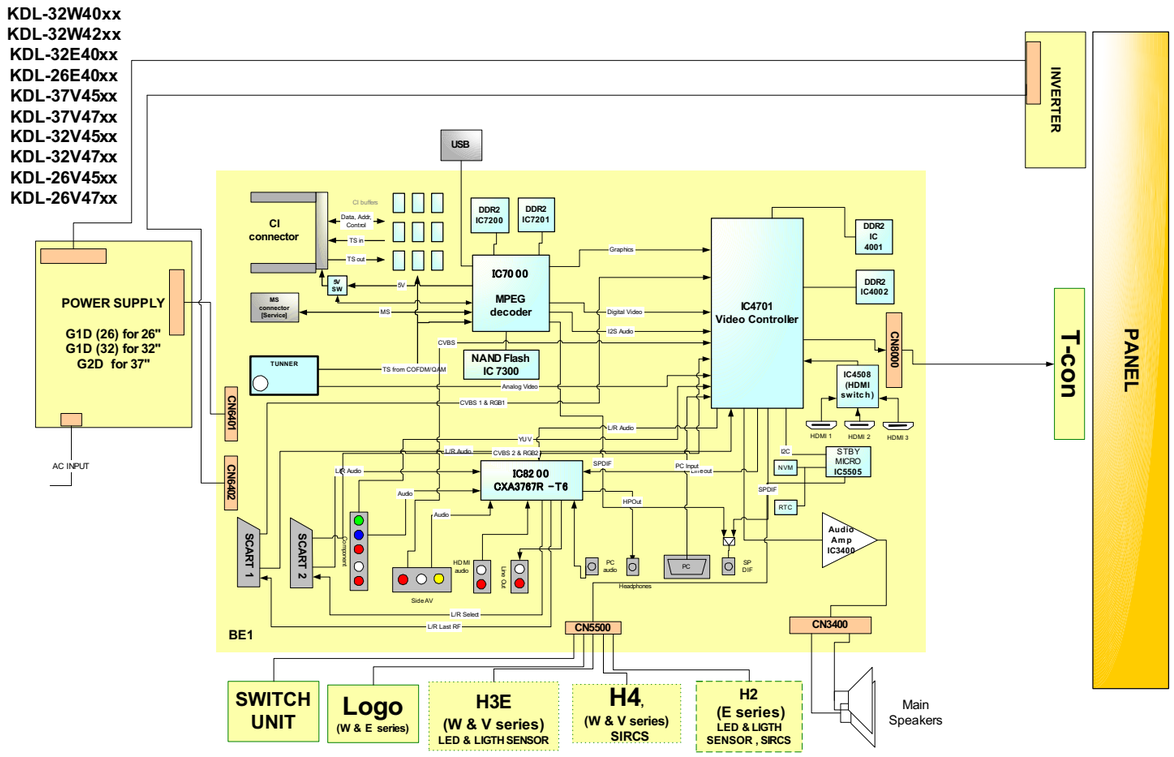
KDL-52W40XX
KDL-52W42XX



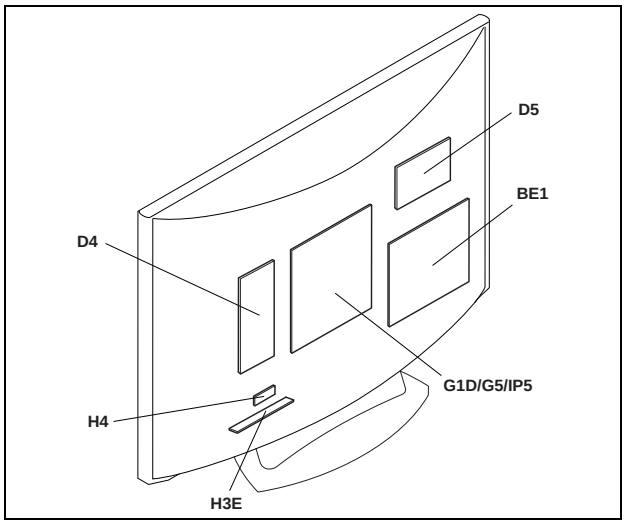
KDL-46W40XX
KDL-46W42XX
KDL-40W40XX
KDL-40W42XX
KDL-40E40XX



KDL-32W40xx
KDL-32W42xx
KDL-32E40xx
KDL-26E40xx
KDL-37V45xx
KDL-37V47xx
KDL-32V45xx
KDL-32V47xx
KDL-26V45xx
KDL-26V47xx



4-2. CIRCUIT BOARD LOCATION



4-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :

- All capacitors are in µF unless otherwise noted.
- pF : µµF 50WV or less are not indicated except for electrolytic types.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm
Electrical power rating : 1/4W

- Chip resistors are 1/10W
- All resistors are in ohms.
  k = 1000 ohms, M = 1000,000 ohms
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in Volts.
- Readings are taken with a 10Mohm digital mutimeter.
- Readings are taken with a color bar input signal.
- Voltage variations may be noted due to normal production tolerences.
- : B + bus.
- : B - bus.
- : RF signal path.
- : earth - ground.
- : earth - chassis.

Reference Information

RESISTOR	**RN**	: METAL FILM
	RC	: SOLID
	FPRD	: NON FLAMMABLE CARBON
	FUSE	: NON FLAMMABLE FUSIBLE
	RS	: NON FLAMMABLE METAL OXIDE
	RB	: NON FLAMMABLE CEMENT
	RW	: NON FLAMMABLE WIREWOUND
		: ADJUSTMENT RESISTOR
COIL	**LF-8L**	: MICRO INDUCTOR
CAPACITOR	**TA**	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

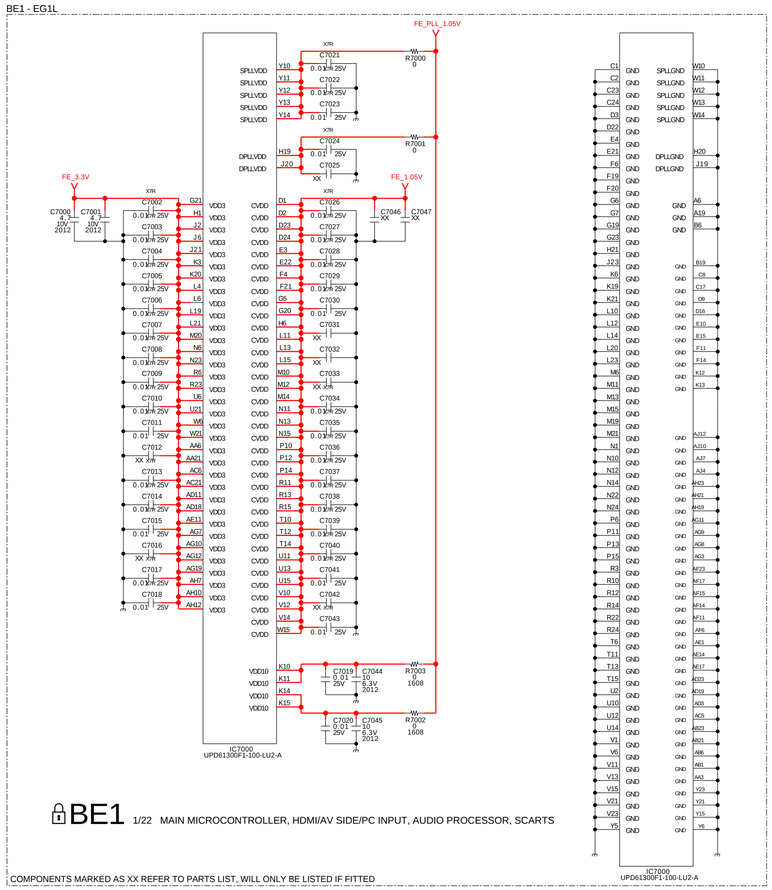
Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

Note : Les composants identifiés par une trame et par une marque ⚠ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié. specified.

Note : The components identified by mark 🔒 contain confidential information. Strictly follow the instructions whenever the components are repaired and/or replaced.

Note: Schematic diagrams are for reference only. Please refer to the electrical parts list for the correct value and part number of components.

BE1 - EG1L

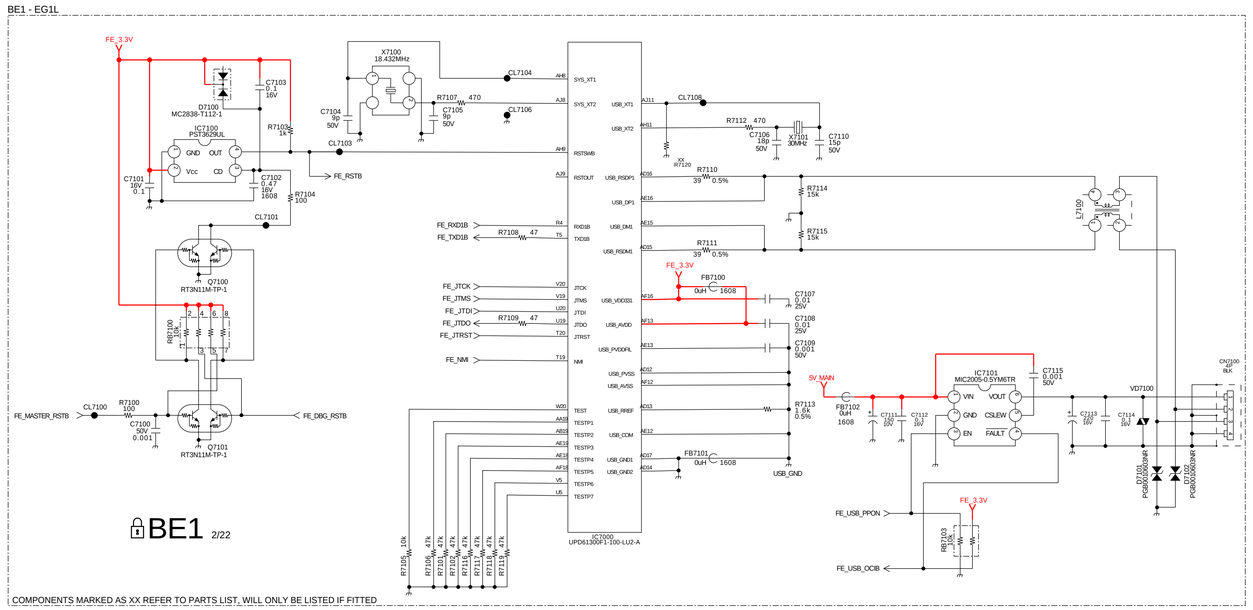


BE1 1/22 MAIN MICROCONTROLLER, HDMI/AV SIDE/PC INPUT, AUDIO PROCESSOR, SCARTS

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ BE1 Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 1/22 ~

BE1 - EG1L

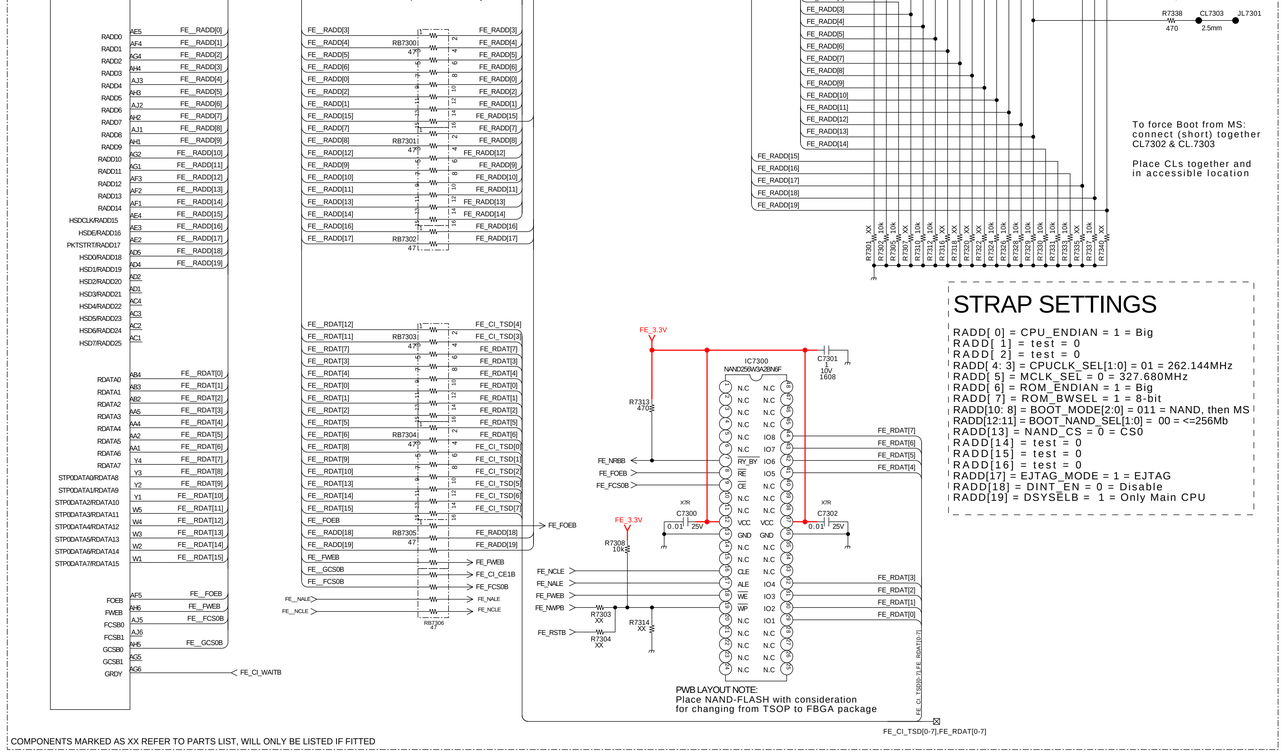


BE1 2/22

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ BE1 Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 2/22 ~

BE1 - EG1L

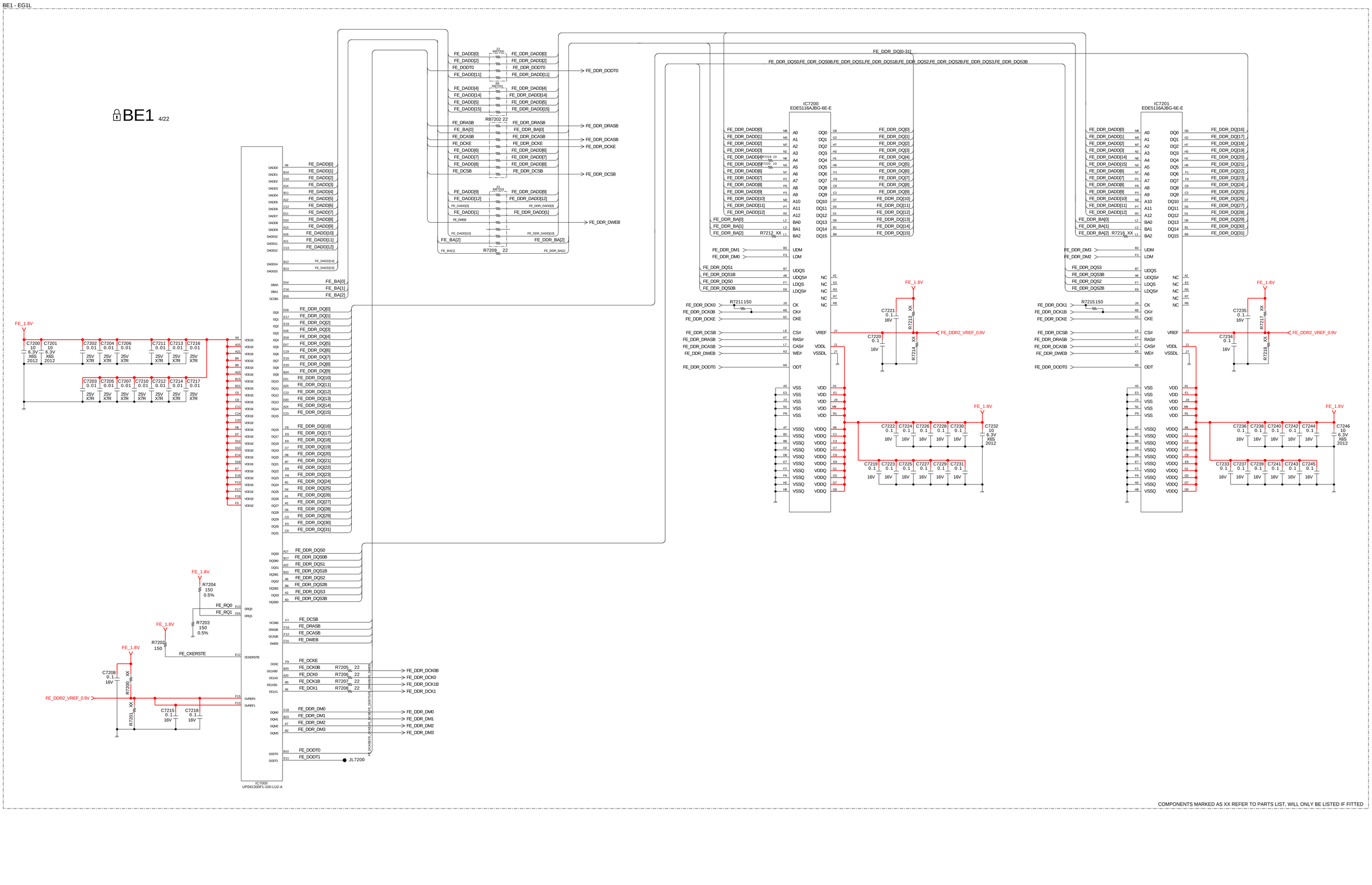

BE1 3/22
IC7000
UPD61300F1-100-LU2-A
FE_RADD[0-14]
STRAP SETTINGS
PWB LAYOUT NOTE:
Pin-swap allowed on these resistor arrays for optimal PWB layout
PWB LAYOUT NOTE:
Place fitted strap resistors in groups of 4 or 8 to allow replacement by resistor arrays during later trial
To force Boot from MS: connect (short) together CL7302 & CL.7303
Place CLs together and in accessible location
STRAP SETTINGS
RADD[0] = CPU_ENDIAN = 1 = Big
RADD[1] = test = 0
RADD[2] = test = 0
RADD[4: 3] = CPUCLK_SEL[1:0] = 01 = 262.144MHz
RADD[5] = MCLK_SEL = 0 = 327.680MHz
RADD[6] = ROM_ENDIAN = 1 = Big
RADD[7] = ROM_BWSEL = 1 = 8-bit
RADD[10: 8] = BOOT_MODE[2:0] = 011 = NAND, then MS
RADD[12:11] = BOOT_NAND_SEL[1:0] = 00 = <=256Mb
RADD[13] = NAND_CS = 0 = CS0
RADD[14] = test = 0
RADD[15] = test = 0
RADD[16] = test = 0
RADD[17] = EJTAG_MODE = 1 = EJTAG
RADD[18] = DINT_EN = 0 = Disable
RADD[19] = DSYSELB = 1 = Only Main CPU
IC7300
NAND256W3A2BN6F
PWB LAYOUT NOTE:
Place NAND-FLASH with consideration for changing from TSOP to FBGA package
FE_CI_TSD[0-7],FE_RDAT[0-7]

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ BE1 Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 3/22 ~

BE1 - EG1L

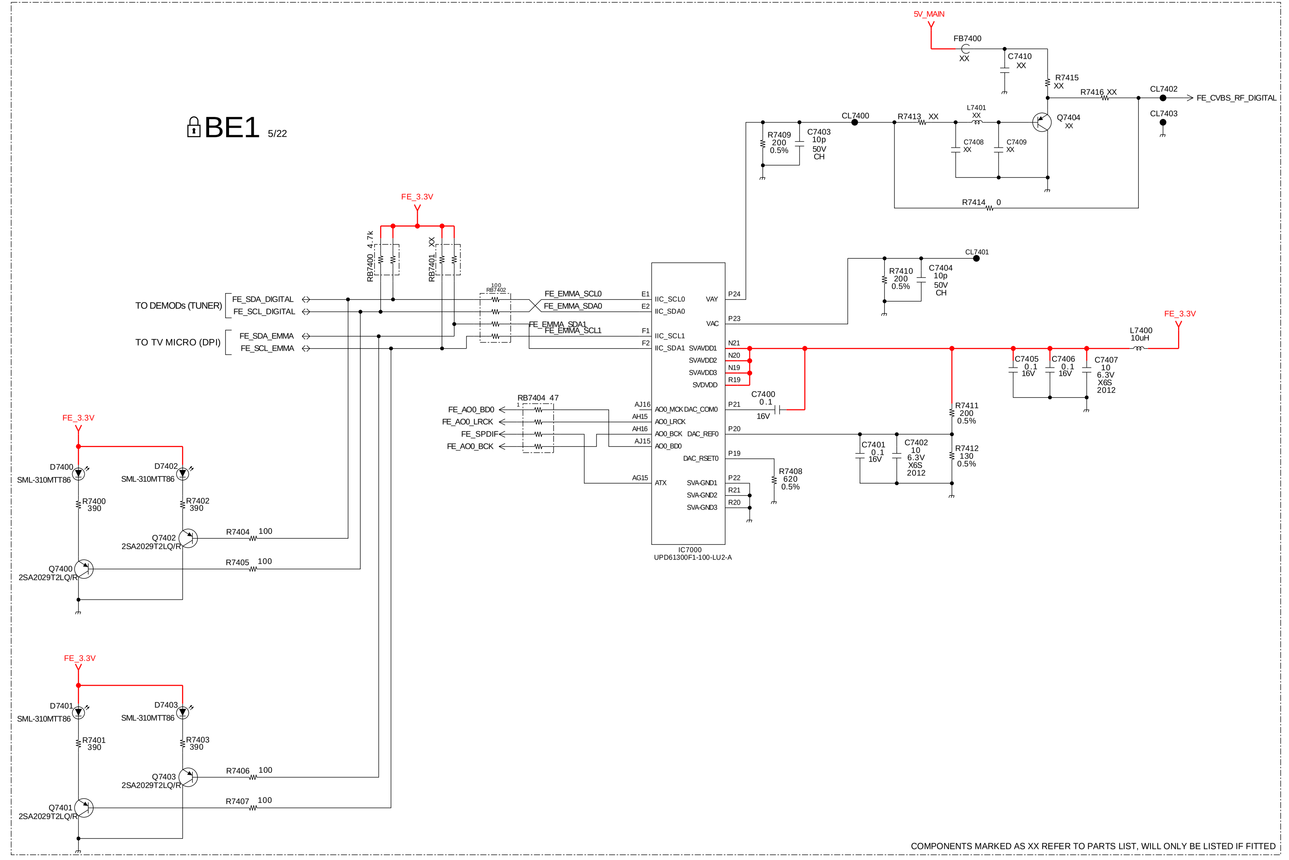
BE1 4/22



COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

BE1 - EG1L

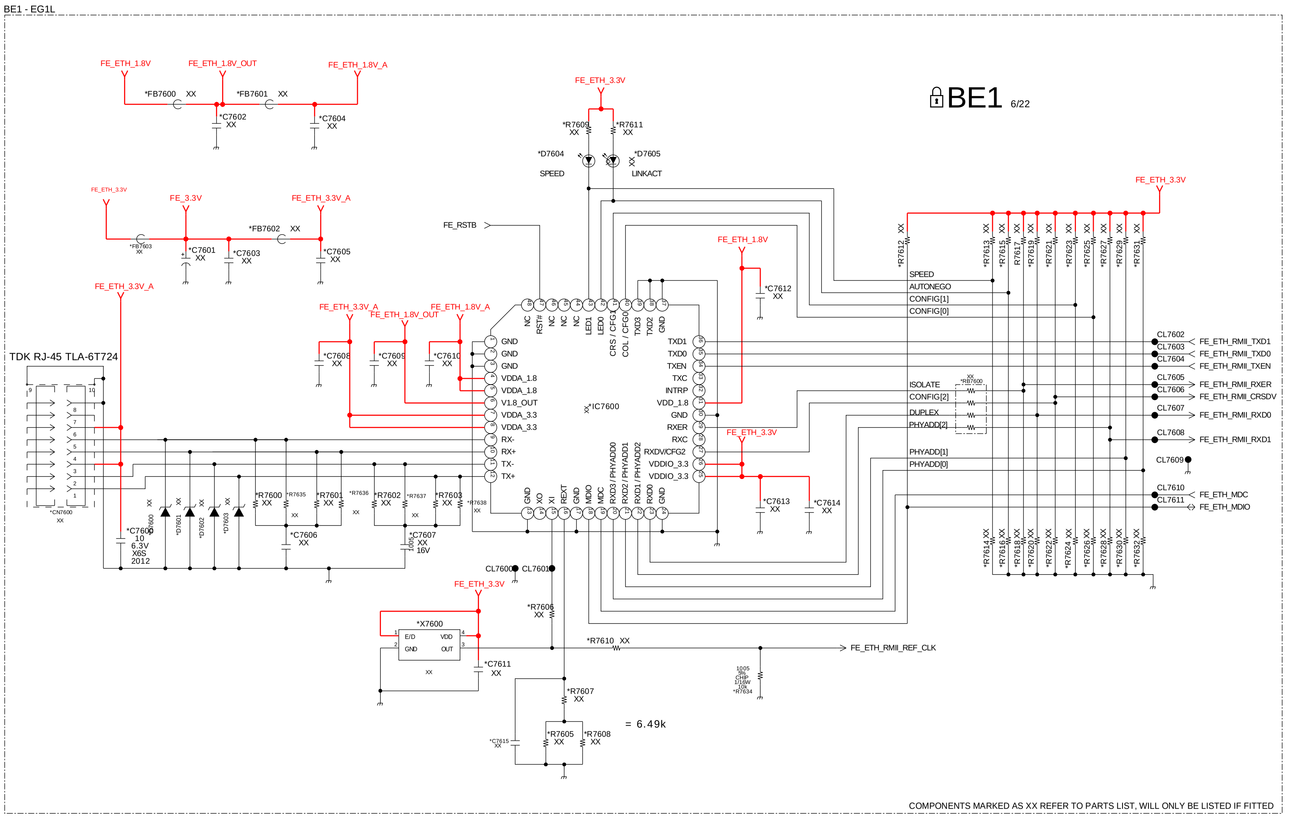
BE1 5/22



~ BE1 Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 5/22 ~

BE1 - EG1L

BE1 6/22



~ BE1 Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 6/22 ~

BE1 - EG1L

BE1 7/22

PIN-SWAP ALLOWED ON THESE RESISTORS

IC7000
UPD61300F1-100-LU2-A

FROM TUNER OUTPUTS — FE_M_CKOUT,FE_M_DATA[0-7],FE_M_SYNC,FE_M_VAL

FE_M_CKOUT, FE_M_DATA[0], FE_M_DATA[1], FE_M_DATA[2], FE_M_DATA[3], FE_M_DATA[4], FE_M_DATA[5], FE_M_DATA[6], FE_M_DATA[7], FE_M_VAL, FE_M_SYNC — JL7515

FE_RXD2B — R7500 47 — FE_TXD2B

FE_CI_IREQB, FE_CI_CD1B — JL7516

FE_CI_VS1B, FE_CI_TSCLK

RB7500 47: FE_CI_RSTB, FE_CI_IORDB, FE_CI_IOWRB, FE_CI_REGB

FE_EMMA_CI_IORDB, FE_EMMA_CI_IOWRB, FE_EMMA_CI_RESET, FE_EMMA_CI_REGB

FE_CI_CD2B — JL7517

FE_CI_TSVAL, FE_CI_TSSYNC

FE_CI_PWR_EN, FE_CI_OVRB, FE_CONF0, FE_DEMOD_RSTB, FE_LNA_SWB

FE_USB_PPON, FE_USB_OCIB

FE_CLK27OUT — CL7505, CL7506, JL7500, JL7501, C7501 XX, R7526 0 1/16W CHIP 5%

FE_TUNER_SW, FE_NWPB — R7500 XX — JL7519

FE_CI_TS_ENB — R7503 47 — JL7518 — FE_BE_BUF_FLIP

RB7504 47: FE_VIDEO_MUTE, FE_OSD_ACTIVE, FE_CI_ROM_DIR1, FE_CI_ENB

FE_MSMODE, FE_JIG_MODE — R7522 XX — R7520 47

FROM BE OSD SYNC OUTPUTS — FE_VDOE_CLK_IN, FE_VDOE_VVSB_IN, FE_VDOE_VHSB_IN — R7529 XX — CL7515, CL7516, CL7517

TO BE OSD SYNC INPUTS — FE_VDOE_VVSB_OUT, FE_VDOE_CLK_OUT, FE_VDOE_VHSB_OUT — CL7503, CL7504, CL7502

FE_CONF1 — RB7505 47 — CL7501

RB7501 47: FE_VDOE_A[6], FE_VDOE_A[5], FE_VDOE_A[4], FE_VDOE_A[7], FE_VDOE_A[3], FE_VDOE_A[2], FE_VDOE_A[0], FE_VDOE_A[1]

CL7500

FE_EMMA_VDOE_A[6], FE_EMMA_VDOE_A[5], FE_EMMA_VDOE_A[4], FE_EMMA_VDOE_A[7], FE_EMMA_VDOE_A[3], FE_EMMA_VDOE_A[2], FE_EMMA_VDOE_A[0], FE_EMMA_VDOE_A[1]

TO BE OSD DATA INPUTS — FE_VDOE_A[0-7]

PIN-SWAP ALLOWED ON THESE RESISTORS

FE_EMMA_VDOE_A[0], FE_EMMA_VDOE_A[1], FE_EMMA_VDOE_A[2], FE_EMMA_VDOE_A[3], FE_EMMA_VDOE_A[4], FE_EMMA_VDOE_A[5], FE_EMMA_VDOE_A[6], FE_EMMA_VDOE_A[7]

PPT83/VDOE_A0 … PPT70/VDOE_A7

PPT71/VDOE_R0 … PPT78/VDOE_R7

PPT156/VDO_C7 … PPT141/VDO_Y0

FE_EMMA_VDO_C[7] … FE_EMMA_VDO_C[0]

FE_EMMA_VDO_Y[7] … FE_EMMA_VDO_Y[0]

RB7511 47: FE_VDO_C[3], FE_VDO_C[1], FE_VDO_C[0], FE_VDO_C[2], FE_VDO_C[6], FE_VDO_C[5], FE_VDO_C[4], FE_VDO_C[7] — CL7533

RB7513 47: FE_VDO_Y[1], FE_VDO_Y[0], FE_VDO_Y[4], FE_VDO_Y[3], FE_VDO_Y[2], FE_VDO_Y[5], FE_VDO_Y[6], FE_VDO_Y[7] — CL7534

FE_VDO_C[0-7],FE_VDO_Y[0-7] — TO BE 1120 INPUTS

RB7506 47: PPT140/VDO_VCK — CL7532, CL7530, CL7531, CL7529

FE_VDO_VVSB, FE_VDO_VCK, FE_VDO_VHSB

PPT137/VDO_FLD — FE_CONF3

PPT136/RMII_MDIO — *R7521 47 — FE_ETH_MDC

PPT135/RMII_MDC — FE_ETH_RMII_REF_CLK

PPT134/RMII_REF_CLK — FE_ETH_RMII_RXER

PPT133/RMII_RX_ER — FE_ETH_RMII_CRSDV

PPT132/RTS0B/RMII_CRS_DV — FE_ETH_RMII_RXD0

PPT131/CTS0B/RMII_RXD1 — *RB7510 100 — FE_ETH_RMII_RXD1

PPT130/DSR0B/RMII_RXD0 — FE_ETH_MDIO

PPT129/DTR0B/RMII_TX_EN — FE_ETH_RMII_TXEN

PPT128/DCD0B/RMII_TXD1 — FE_ETH_RMII_TXD0

PPT127/RI0B/RMII_TXD0 — FE_ETH_RMII_TXD1

PPT126/RXD0B — FE_RXD0B

PPT153/TXD0B — R7505 47 — FE_TXD0B

PPT124 — R7524 — FE_MSINS

PPT125/NRBB — R7525 — FE_NRBB

PPT123/NALE — FE_NALE

PPT122/NCLE — FE_NCLE

RB7508 47: PPT121/MSDATA3, PPT120/MSDATA2, PPT119/MSDATA1, PPT118/MSDATA0 — FE_MSDATA1, FE_MSDATA0, FE_MSDATA3, FE_MSDATA2

RB7509 47: PPT117/MSBS, PPT116/MSCLK — FE_MSCLK, FE_MSBS

PPT115/MSDIR

PPT45/AO1_BD2, PPT44/AO1_BD1, PPT114/AO1_BD0, PPT113/AO1_BCK, PPT112/AO1_LRCK, PPT111/AO1_MCK — VSYNC_CLUT

PPT110/VDI_D7/STP1CLK … PPT101/VDI_VHSB/STP1DAT5

PPT100/VDI_VVSB/CAPCOMP1

PPT99/VDI_FLD/CAPCOMP0 — FE_CONF2

PPT42/ROM_DIR1, PPT43/ROM_DIR2, PPT48/ROM_CI, PPT49/ROM_CI_I²C, PPT50/ROM_I²C

PPT54, PPT55

PPT46, PPT47

PPT37/IR_IN1, PPT38/IR_OUT, PPT41/IR_IN0

PPT34/USB_OC1, PPT35/USB_PPON1

PPT36/CLK27OUT

PPT29/SMRST0, PPT30/SMVCC0, PPT31/SMOFF0, PPT32/SMCLKD, PPT33/SMDAT0

PPT0/STP0CLK/ST50CLK … PPT11/STP0ERRB/ST50ERRB

PPT12/RXD2B, PPT13/TXD2B

PPT14/READY/IREQB, PPT15/IOIS16B, PPT16/CD1B, PPT17/PCE0B, PPT18/VS1B, PPT19/STP0CLK, PPT20/IORDB, PPT21/IOWRB, PPT22/(RESET), PPT23, PPT24/REGB, PPT25/(CD2B), PPT26/PCE1B, PPT27/STP0EN, PPT28/ST50TSTRT

PPT1/STP0DAT0/ST50DAT … PPT10/STP0STRT/ST50STRT

PPT148/VDO_D7/VDO_Y7 … PPT145/VDO_D4/VDO_Y4

PPT144/VDO_D3/VDO_Y3 … PPT141/VDO_D0/VDO_Y0

PPT139/VDO_VHSB/VDO0_FBLK

PPT138/VDO_VVSB

PPT137/VDO_FLD

PPT136/RMII_MDIO … PPT127/RI0B/RMII_TXD0

PPT126/RXD0B … PPT153/TXD0B

PPT124 … PPT122/NCLE

PPT121/MSDATA3 … PPT115/MSDIR

PPT45/AO1_BD2 … PPT111/AO1_MCK

PPT110/VDI_D7/STP1CLK … PPT99/VDI_FLD/CAPCOMP0

PPT98/AIBD/SCKIN/OUT … PPT95/AIOMCK

PPT94/VDOE_B7 … PPT87/VDOE_B0

PPT86/VDOE_G7 … PPT79/VDOE_G0

FE_CONF3 / FE_CONF2 / FE_CONF1 / FE_CONF0

FE_3.3V — R7506 XX, R7508 XX, R7510 10k, R7512 XX

		SONY EVAL BOARD	WAX34 PROTO 2	SE3 PROTO 1	
FE_CONF3	PPORT137	0	0	0	
FE_CONF2	PPORT99	0	0	0	
FE_CONF1	PPORT59	0	0	1	
FE_CONF0	PPORT31	0	1	0	

S/W OPTION SELECT RESISTORS

DEBUG INTERFACE

FE_3.3V — RB7518 10k — R7517 XX — R7510 XX — FIT FOR JTAG

CN7500

1	+3V3D
2	GND
3	RST
4	NC
5	TXD0B_MAIN
6	RXD0B_MAIN
7	TXD1B_MAIN
8	RXD1B_MAIN
9	TXD2B_MAIN
10	RXD3B_MAIN
11	JIG_MAIN
12	+3V3D
13	GND
14	JTCK
15	JTDO
16	JTMS
17	JTRST
18	JTDI
19	EDINT
20	NMI

181871421 Q9733

FE_DBG_RSTB — JL7502

FE_TXD0B, FE_RXD0B — JL7503, JL7504 — FE_TXD1B, FE_RXD1B

FE_TXD2B, FE_RXD2B — JL7505 — FE_JIG_MODE

FE_JTCK, FE_JTDO, FE_JTMS, FE_JTRST, FE_JTDI, FE_NMI

FE_3.3V — RB7519 10k — R7513 10k — FIT FOR EJTAG — JL7513

MEMORY STICK INTERFACE

FE_3.3V — R7515 10k — C7500 0.1 10V — IC7500 SN74CBTLV3G125DCKR (OEn, VCC, A, GND, B) — FE_3.3V

FE_MSMODE, FE_MSDATA1 — R7514 XX

FE_MSBS, FE_MSDATA3, FE_MSDATA2, FE_MSDATA0 — RB7517 47 — JL7506, JL7507, JL7508, JL7509, JL7510, JL7511, JL7512

FE_MSCLK — CL7539, CL7540

FE_MSINS — R7516 10k

182020911

1	GND
2	BS
3	DATA1/VCC
4	DATA0
5	DATA2
6	INS
7	DATA3
8	CLK
9	VCC
10	GND

JL7514 CN7501

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

BE1 - EG1L

BE1 8/22

TS to CAM

TS from CAM

TS to CAM

TS to EMMA

CTRL to/from CAM

ADDR to CAM

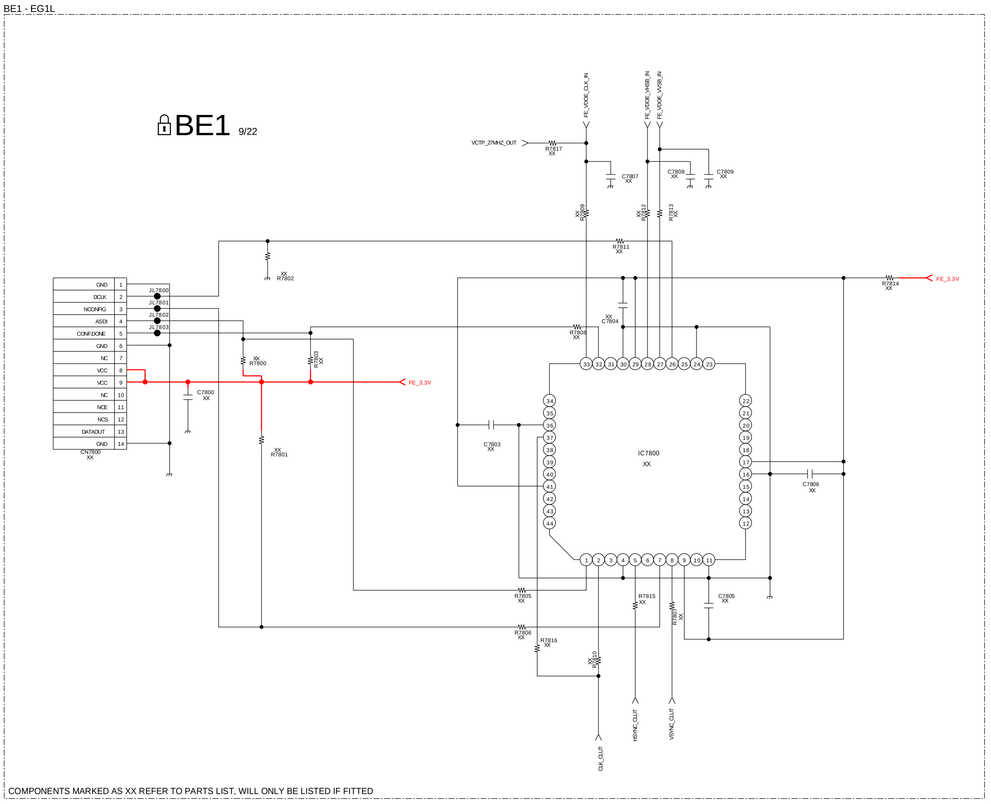
DATA to/from CAM

All JL's are 0.6mm unless otherwise stated
All R's & C's are size 1005 unless otherwise stated

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

PCMCIA DVB-CI CONNECTOR

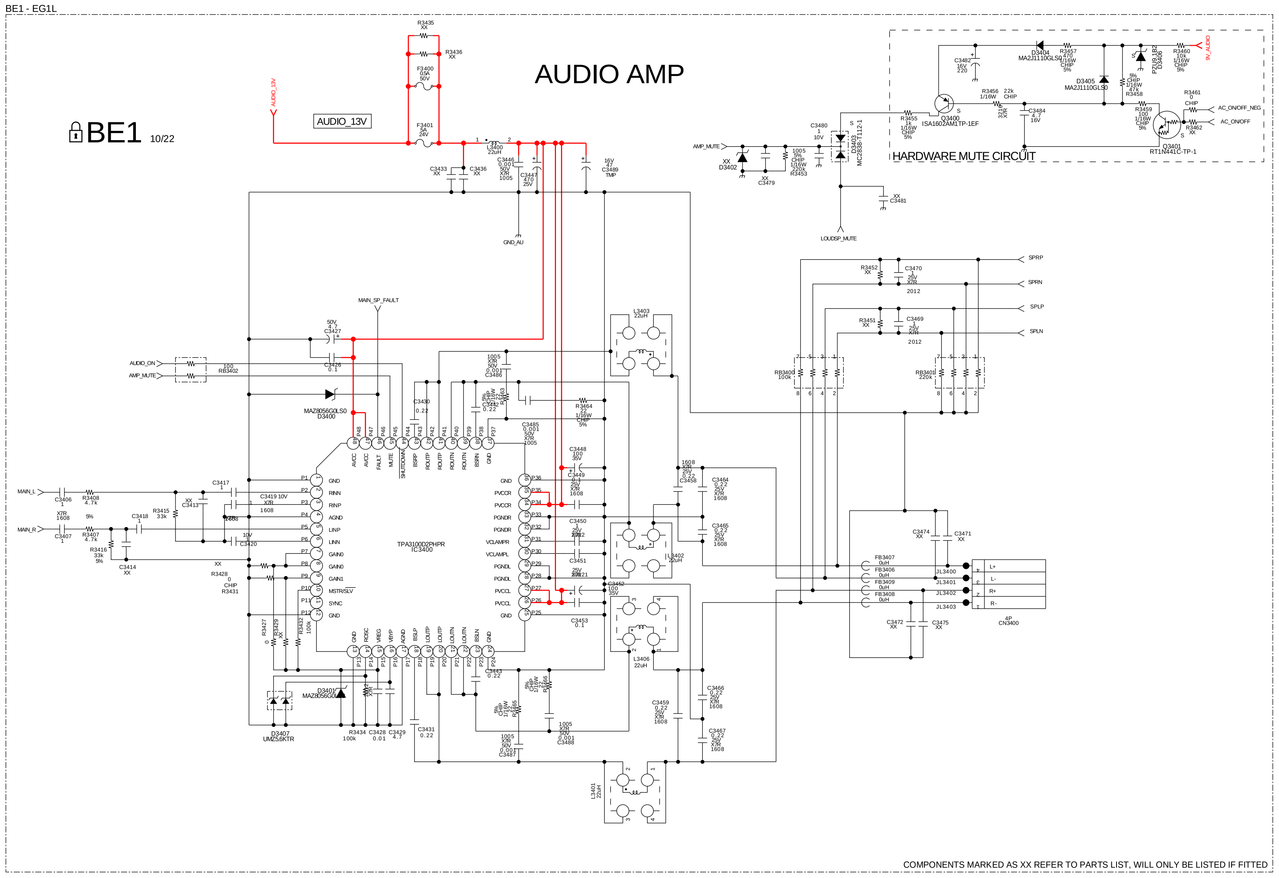
BE1 - EG1L



COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ BE1 Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 9/22 ~

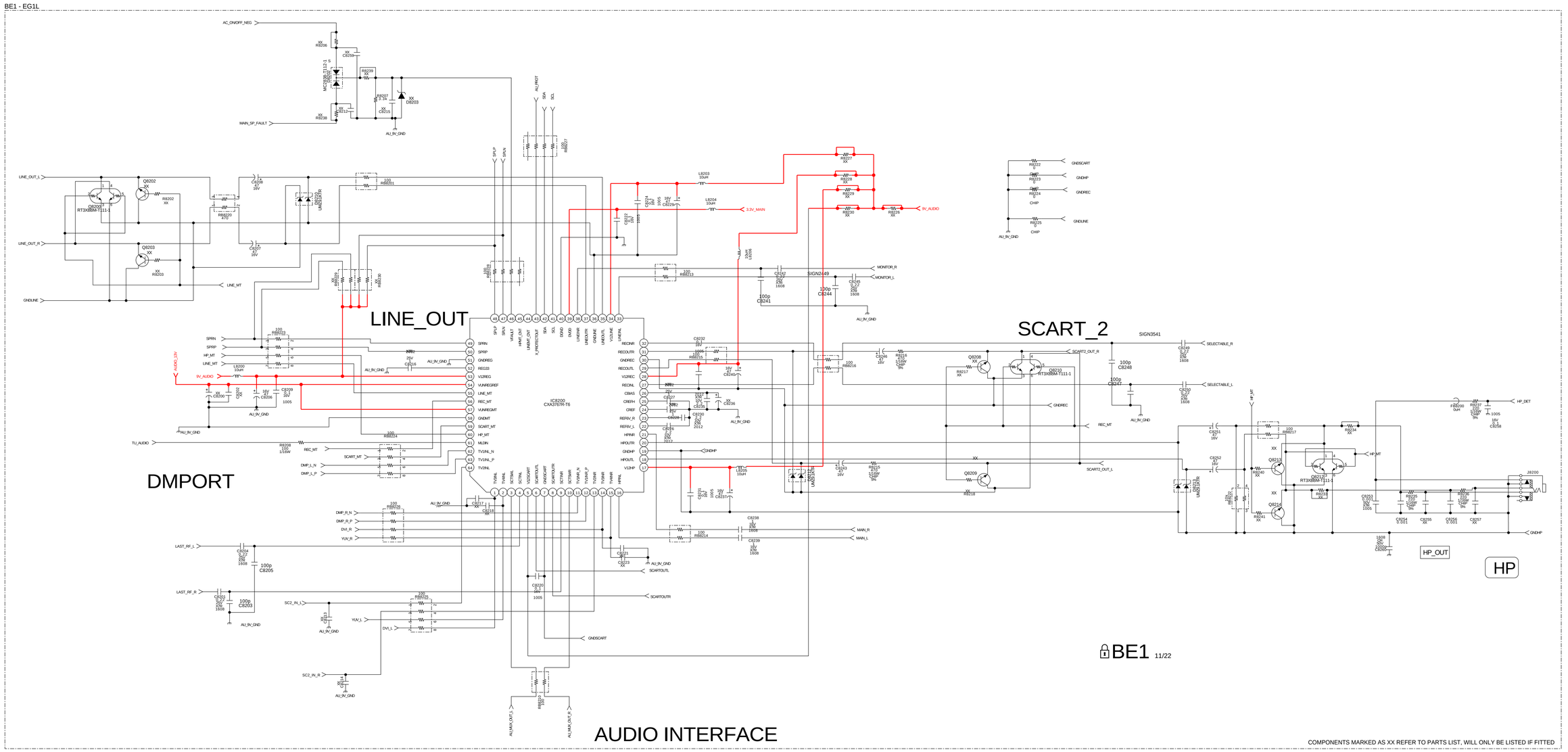
BE1 - EG1L



COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ BE1 Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 10/22 ~

BE1 - EG1L


LINE_OUT
SCART_2
DMPORT
AUDIO INTERFACE
HP
HP_OUT
IC8200
CXA2607R-T6
BE1 11/22
AC_ONOFF_NEG
MAIN_SP_FAULT
AU_9V_GND
AU_PROT
SDA
SCL
LINE_OUT_L
LINE_OUT_R
GNDLINE
LINE_MT
Q8202
RTX3BM4T111-1
Q8203
Q8204
UMZ1NFHTN
L8203 10uH
L8204 10uH
3.3V_MAIN
9V_AUDIO
MONITOR_R
MONITOR_L
SIGN2449
SIGN3541
SCART2_OUT_R
SCART2_OUT_L
SELECTABLE_R
SELECTABLE_L
GNDSCART
GNDHP
GNDREC
GNDLINE
CHIP
REC_MT
HP_MT
HP_DET
TU_AUDIO
SCART_MT
DMP_L_N
DMP_L_P
DMP_R_N
DMP_R_P
DVI_R
DVI_L
YUV_R
YUV_L
SC2_IN_L
SC2_IN_R
LAST_RF_L
LAST_RF_R
MAIN_R
MAIN_L
SCARTOUTL
SCARTOUTR
AU_MIX_OUT_L
AU_MIX_OUT_R
J8200
HP
HP_OUT
COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

+5V REG

3.15A

+1V8 & +3V3 REG

3.15A

Cu Heatsink

Add 16mmx16mm area
Connect to TAB of
Regulator

1.05V_EMMA_PLL

SENSE_LINE

BE1 12/22

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

TEMPERATURE SENSOR

COMPONENTS MARKED AS XX REFER TO PARTS LIST. WILL ONLY BE LISTED IF FITTED

BE1 - EG1L

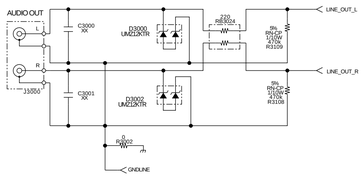
BE1 14/22

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

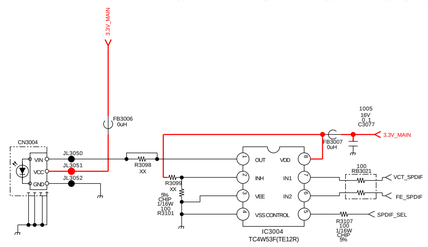
BE1 - EG1L

BE1 15/22

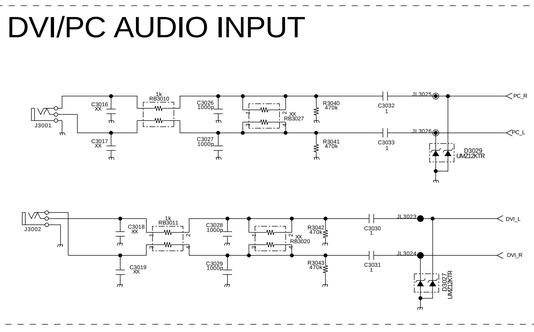
LINE OUT



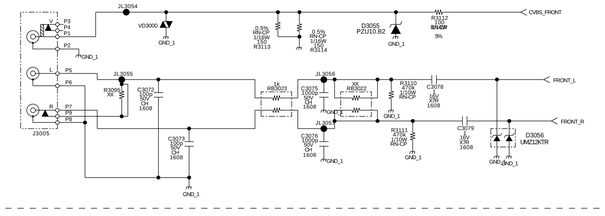
SPDIF OPTICAL OUT



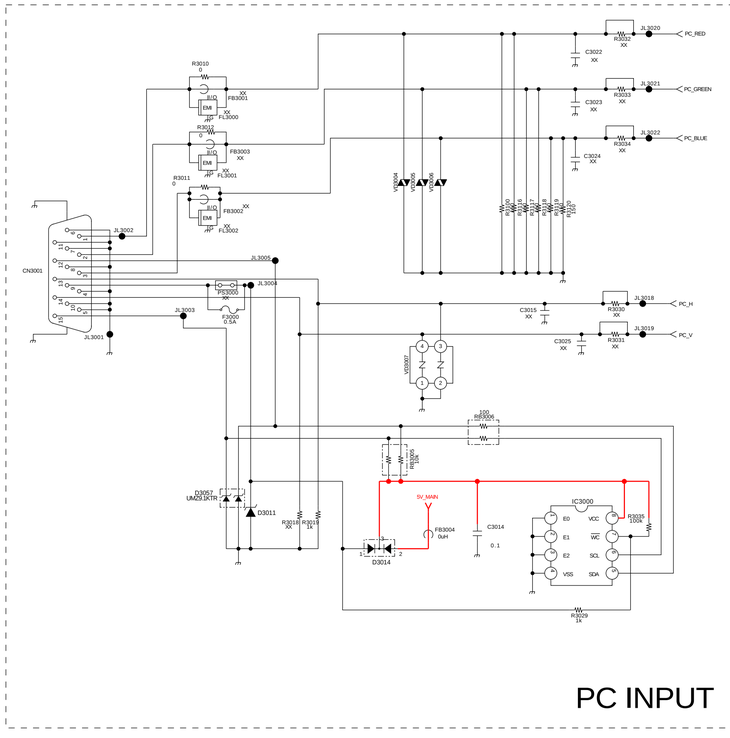
DVI/PC AUDIO INPUT



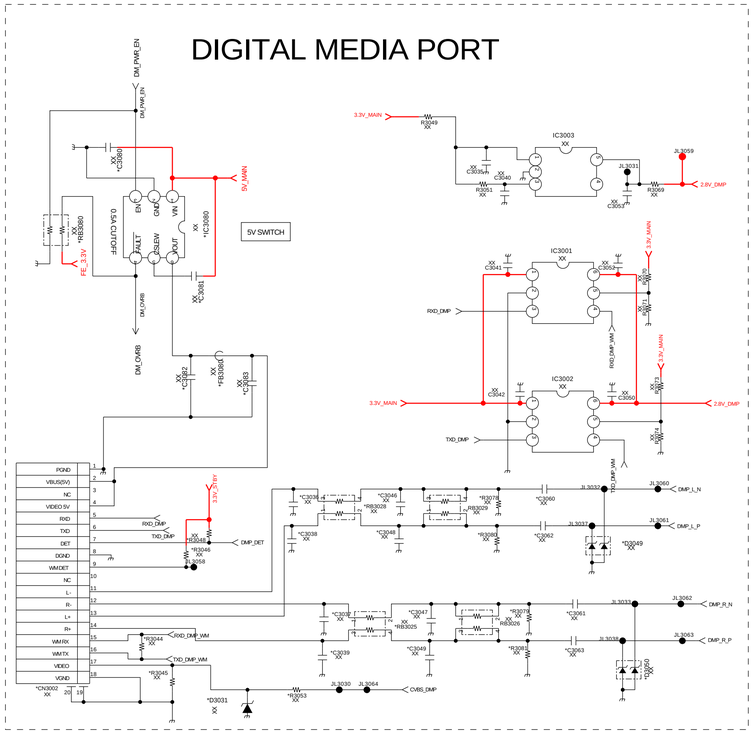
LATERAL A/V CONNECTOR



PC INPUT



DIGITAL MEDIA PORT



COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

BE1 - EG1L

Cu Heatsink

Add 16mmx16mm area
Connect to TAB of
Regulator

NOTE R3401, R3407
ARE 0.5% TOLERANCE.

5V_FE_REG

COINCIDENDE CIRCUIT

SERVICE CONNECTOR

1.2v DVB

33v REGULATOR

BE1 16/22

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ BE1 Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 16/22 ~

BE1 17/22

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ BE1 Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 17/22 ~

BE1 18/22

HYB18TC256160BF-3S
IC4001

PLACE A PAIR OF THESE CAPS CLOSE TO EACH VDD, VDDQ PIN

VCT_1.8V

C4003 10V 100

C4007 0.1 1005
C4011 0.1 1005
C4013 0.1 1005
C4012 0.1 1005
C4020 0.1 1005
C4033 0.1 1005
C4031 0.1 1005
C4038 0.1 1005
C4042 0.1 1005
C4044 0.1 1005
C4046 0.1 1005
C4049 0.1 1005
C4053 0.1 1005
C4055 0.1 1005
C4057 0.1 1005
C4065 0.1 1005
C4066 0.1 1005

C4008 XX
C4015 XX
C4002 XX
C4024 XX
C4026 XX
C4028 XX
C4030 XX
C4032 XX
C4034 XX
C4039 XX
C4043 XX
C4048 XX
C4050 XX
C4054 XX
C4058 XX
C4062 XX
C4068 XX
C4064 XX
C4060 XX

VDDQ: G9, G7, G3, G1, E9, C9, C7, C3, C1, A9
VDD: R1, M9, J9, E1, A1
VSSQ: H8, H2, F8, F2, E7, D8, D2, B8, B2, A7
VSS: P9, N1, J3, E3, A3

FB4000
0uH

VCT_1.8V
0.5% 80mW 511Ω R4034
1005 16V 0.1 C4079
1005 16V X5R 100n C4071
1005 50V X5R 470n C4075

VCT_DDR2_VREF_0.9V
0.5% 80mW 1.01K R4035
1005 16V X5R 100n C4070
1005 50V X5R 470n C4076

PLACE CLOSE TO VREF PIN

VSSDL: J7
VDDL: J1
VREF: J2
NC: R8, R7, R3, E2, A2

THESE JL'S ON SIDE-B (REST ON SIDE-A)

ODT: K9
WE#: K3
CAS#: L7
RAS#: K7
CS#: L8
CKE: K2
CK#: K8
CK: J8

JL4084
CL4080 CL4081 CL4082 CL4083

PLACE RESISTOR CLOSE TO DDR
R4005 150

LDQS#: E8
LDQS: F7
UDQS#: A8
UDQS: B7

JL4085
CL4059 CL4040 CL4041 CL4042 CL4070

LDM: F3
UDM: B3

JL4086
CL4073

BA2: L1
BA1: L3
BA0: L2
A12: R2
A11: P7
A10: M2
A9: P3
A8: P8
A7: P2
A6: N7
A5: N3
A4: N8
A3: N2
A2: M7
A1: M3
A0: M8

VCTY_RAMD15 … VCTY_RAMD00 → DQ15 … DQ0

R4020 22
R4017 22
R4023 22
R4022 22
R4011 22
R4016 33
R4017 33
R4016 22
R4015 22

VCTY_RAMODT
VCTY_RAMWE_N
VCTY_RAMRAS_N
VCTY_RAMCAS_N
VCTY_RAMCS_N
VCTY_RAMCKE
VCTY_RAMCLK_N
VCTY_RAMCLK
VCTY_RAMDQS1_B
VCTY_RAMDQS1
VCTY_RAMDQS0_B
VCTY_RAMDQS0
VCTY_RAMDM0
VCTY_RAMDM1
VCTY_RAMBA1
VCTY_RAMBA0
VCTY_RAMA2
VCTY_RAMA4
VCTY_RAMA6
VCTY_RAMA8
VCTY_RAMA10
VCTY_RAMA3
VCTY_RAMA5
VCTY_RAMA12
VCTY_RAMA7
VCTY_RAMA1
VCTY_RAMA0
VCTY_RAMA11
VCTY_RAMA9

R4018 33
R4019 33
R4014 33
R4028 22
R4029 22
R4012 33
R4013 33

VCTY_ODT
VCTY_WE_N
VCTY_RAS_N
VCTY_CAS_N
VCTY_CS_N
VCTY_CKE
VCTY_CLK
VCTY_CLK_N
VCTY_A10
VCTY_A8
VCTY_A6
VCTY_A4
VCTY_A2
VCTY_BA0
VCTY_BA1
VCTY_A3
VCTY_A5
VCTY_A12
VCTY_A7
VCTY_A1
VCTY_A0
VCTY_A11
VCTY_A9

PLACE RESISTORS CLOSE TO VCTY

VCT_DDR2_VREF_0.9V

C4080 XX
C4083 XX
C4081 XX
C4084 XX
C4082 XX

IC4000
XX

C4000 XX
R4031 XX
1005 50V X5R 100n C4012
1005 50V X5R 0.01 C4016
C4005 XX
C4002 XX
C4004 XX

IC4002
HYB18TC256160BF-3S

PLACE A PAIR OF THESE CAPS CLOSE TO EACH VDD, VDDQ PIN

VCT_1.8V

C4006 10V 100

C4009 0.1 1005
C4014 0.1 1005
C4016 0.1 1005
C4022 0.1 1005
C4027 0.1 1005
C4031 0.1 1005
C4035 0.1 1005
C4037 0.1 1005
C4045 0.1 1005
C4047 0.1 1005
C4051 0.1 1005
C4056 0.1 1005
1005 C4059 0.1
C4061 0.1 1005
C4067 0.1 1005

C4010 XX
C4018 XX
C4027 XX
C4036 XX
C4029 XX
C4034 XX
C4033 XX
C4041 XX
C4052 XX
C4063 XX
C4054 XX
C4058 XX
C4062 XX
C4066 XX
C4069 XX

VDDQ: G9, G7, G3, G1, E9, C9, C7, C3, C1, A9
VDD: R1, M9, J9, E1, A1
VSSQ: H8, H2, F8, F2, E7, D8, D2, B8, B2, A7
VSS: P9, N1, J3, E3, A3

FB4001
0uH

VCT_1.8V
0.5% 80mW 511Ω R4032
1005 16V 0.1 C4078
1005 16V X5R 100n C4073
1005 50V X5R 470n C4077

VCT_DDR2_VREF_0.9V
0.5% 80mW 1.01K R4033
1005 16V X5R 100n C4074
1005 50V X5R 470n C4076

PLACE CLOSE TO VREF PIN

VSSDL: J7
VDDL: J1
VREF: J2
NC: R8, R7, R3, E2, A2

THESE JL'S ON SIDE-B (REST ON SIDE-A)

ODT: K9
WE#: K3
CAS#: L7
RAS#: K7
CS#: L8
CKE: K2
CK#: K8
CK: J8

JL4091
CL4076 CL4077 CL4078 CL4079 CL4087

PLACE RESISTOR CLOSE TO DDR
R4007 150

LDQS#: E8
LDQS: F7
UDQS#: A8
UDQS: B7

JL4089
CL4058 CL4060 CL4061 CL4071

LDM: F3
UDM: B3

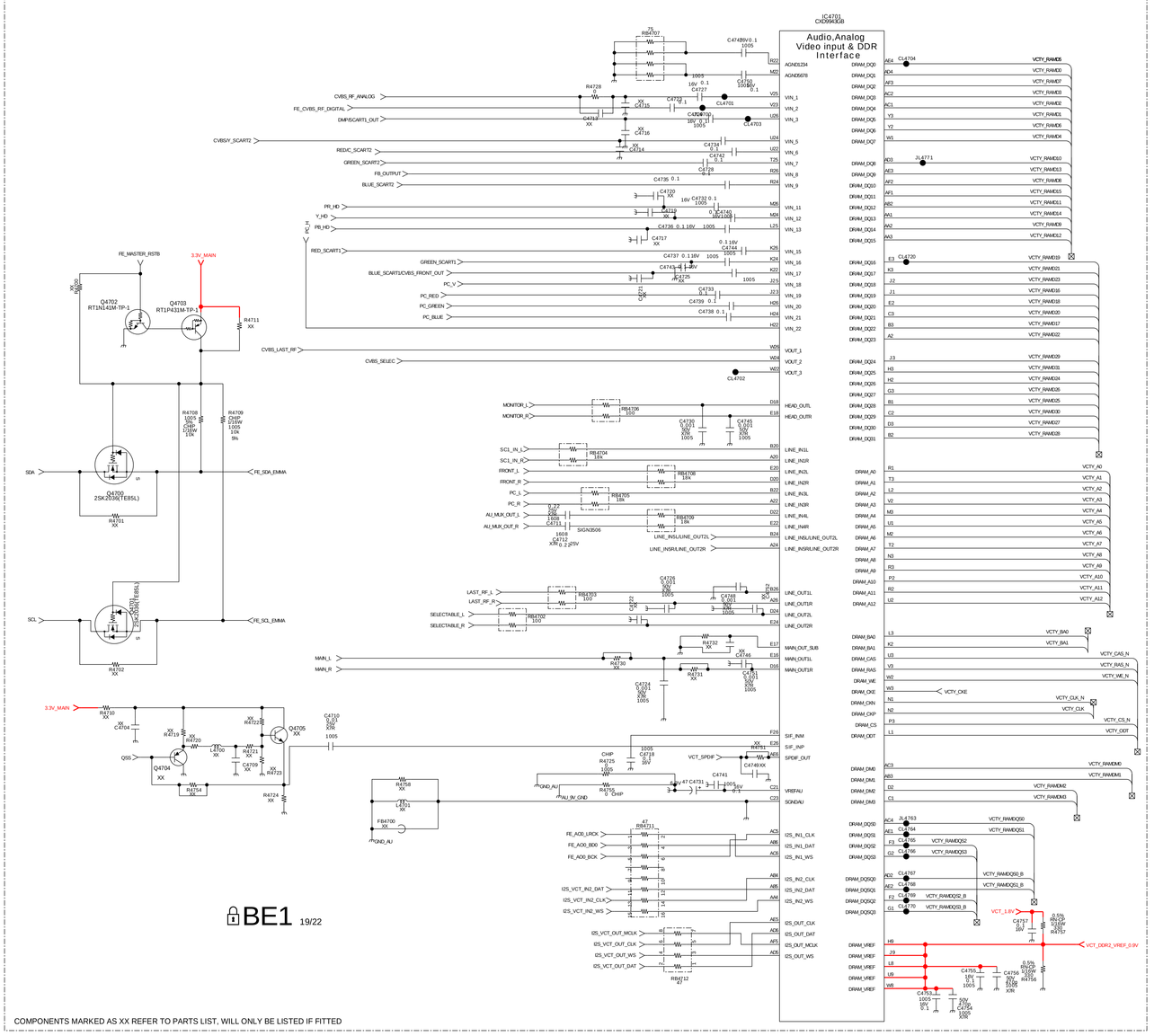
BA2: L1
BA1: L3
BA0: L2
A12: R2
A11: P7
A10: M2
A9: P3
A8: P8
A7: P2
A6: N7
A5: N3
A4: N8
A3: N2
A2: M7
A1: M3
A0: M8

VCTY_RAMD31 … VCTY_RAMD16 → DQ15 … DQ0

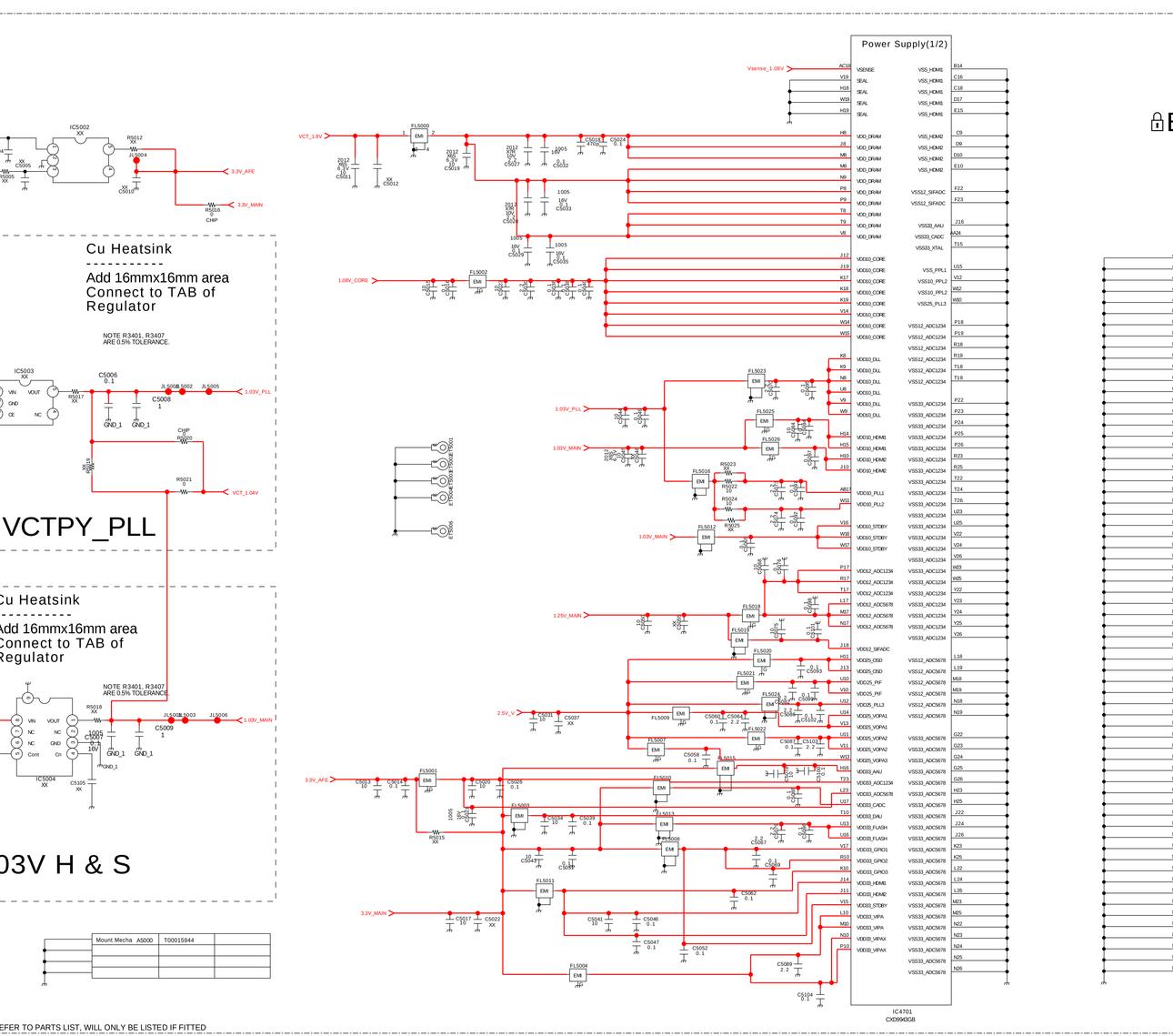
R4022 22
R4021 22
R4012 22
R4013 22
R4014 33
R4015 33k
R4019 22
R4018 22

VCTY_RAMODT
VCTY_RAMWE_N
VCTY_RAMRAS_N
VCTY_RAMCAS_N
VCTY_RAMCS_N
VCTY_RAMCKE
VCTY_RAMCLK_N
VCTY_RAMCLK
VCTY_RAMDQS3_B
VCTY_RAMDQS3
VCTY_RAMDQS2_B
VCTY_RAMDQS2
VCTY_RAMDM2
VCTY_RAMDM3
VCTY_RAMBA1
VCTY_RAMBA0
VCTY_RAMA2
VCTY_RAMA4
VCTY_RAMA6
VCTY_RAMA8
VCTY_RAMA10
VCTY_RAMA3
VCTY_RAMA5
VCTY_RAMA12
VCTY_RAMA7
VCTY_RAMA1
VCTY_RAMA0
VCTY_RAMA11
VCTY_RAMA9

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED



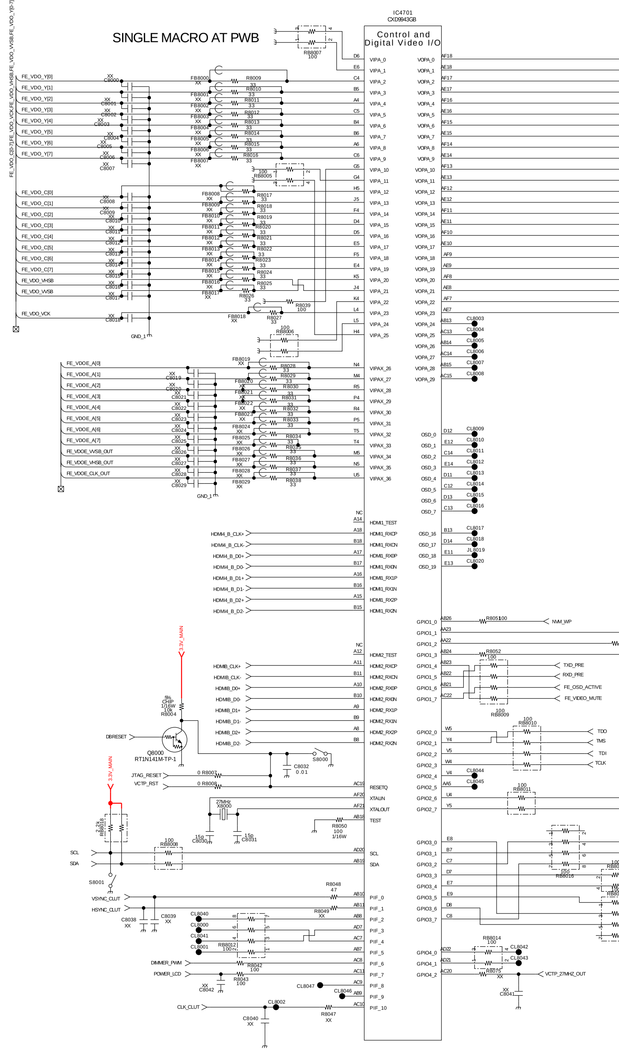
~ BE1 Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 19/22 ~



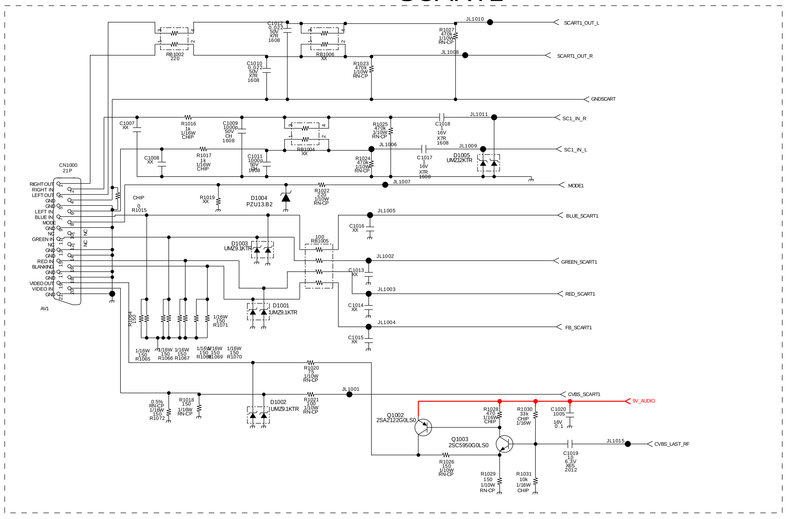
SINGLE MACRO AT PWB

IC4701
CH28842B

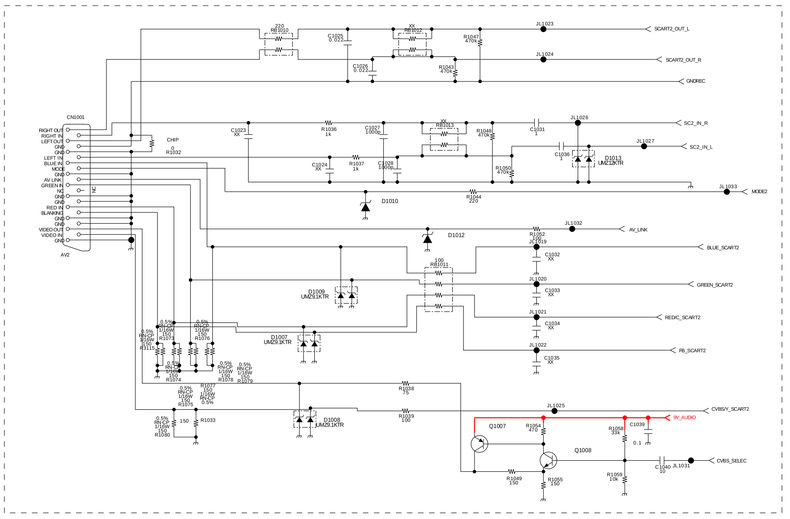
Control and Digital Video I/O



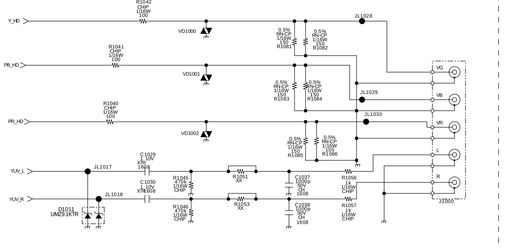
SCART1

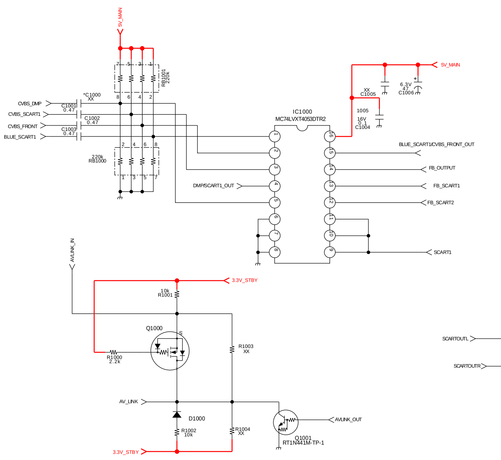


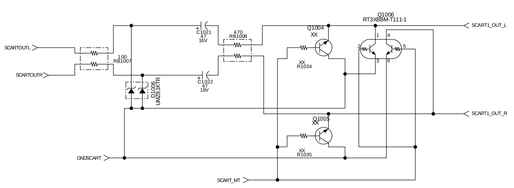
SCART2



COMPONENT INPUT







COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

BE1 - EG1L

BE1 22/22

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

D4 - EG1L

D4 INVERTER POWER SUPPLY

NEW HIT-1300 TYPE
40" HIT-1300
46" HIT-1301
52" HIT-1302

HIROSE MDF61
HIGH VOLTAGE OUTPUT

SUFFIX
40INCH
46INCH
52INCH

52" ONLY

FROM G BOARD
TO BALANCER
FOR 40"
FOR 46",52"
To D5

Mount Mecha A6607 | 263406661 | D6604.Q6602

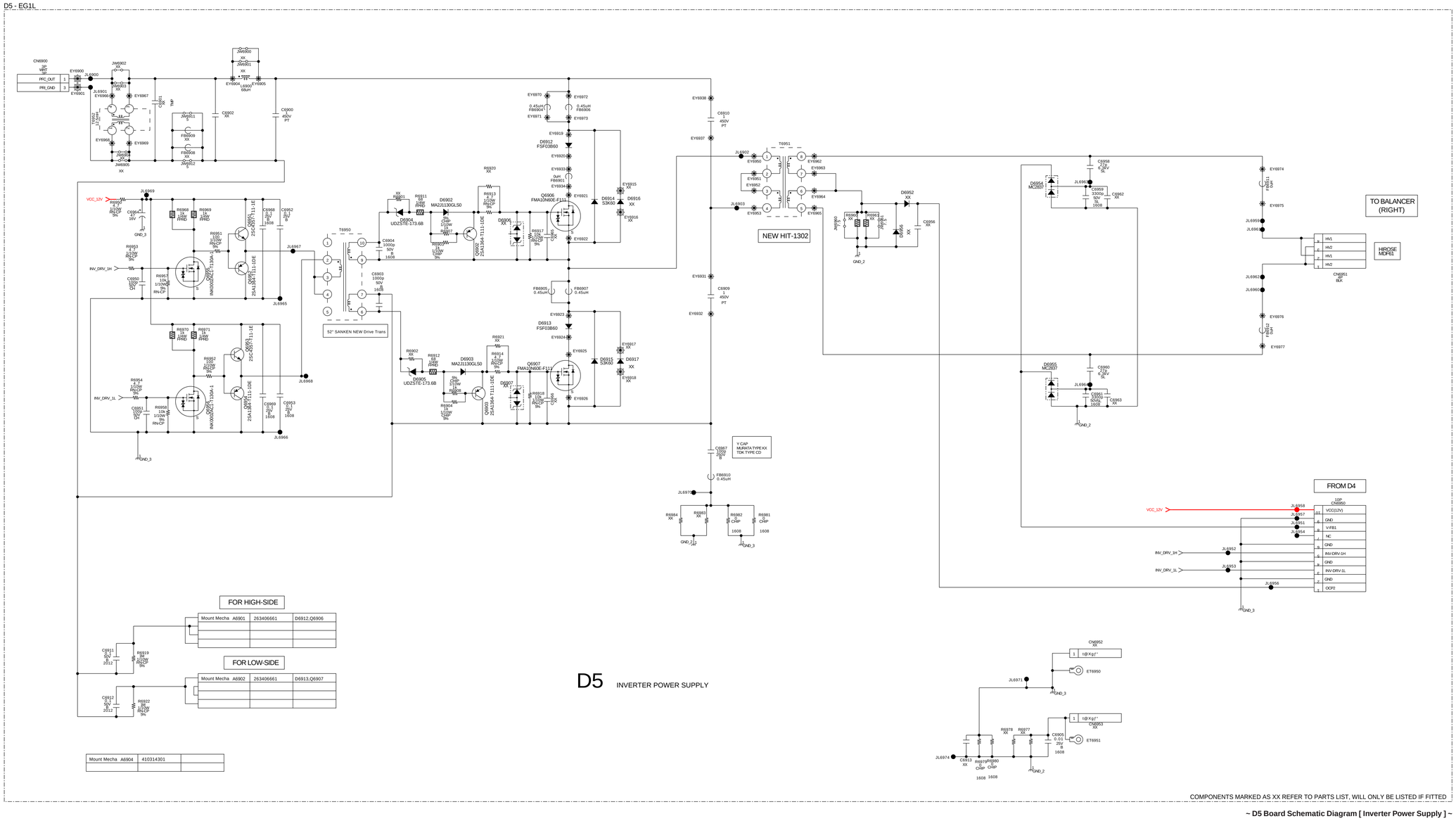
Mount Mecha A6608 | 263406661 | D6605.Q6603

40" FDK NEW Drive Trans
46" SANKEN NEW Drive Trans
52" SANKEN NEW Drive Trans

Y CAP
MURATA TYPE:KK
TDK TYPE:CD

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

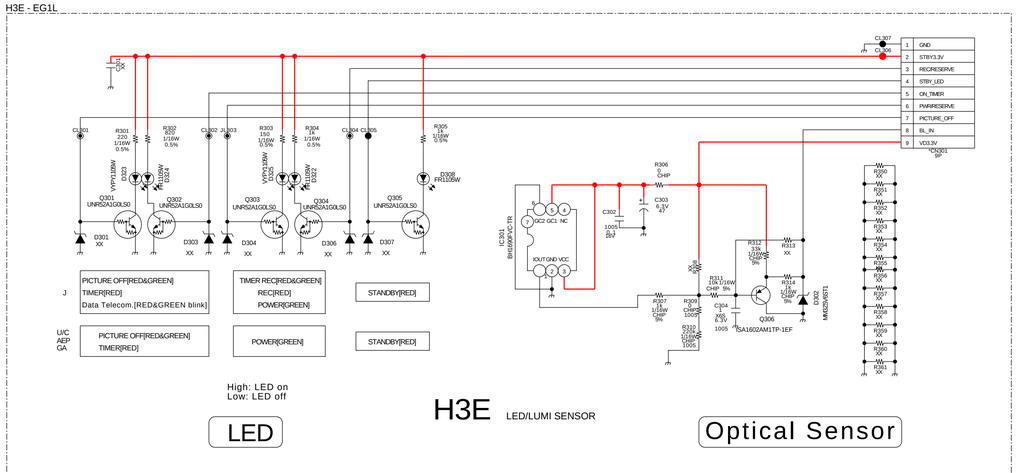
D5 - EG1L



COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ D5 Board Schematic Diagram [Inverter Power Supply] ~

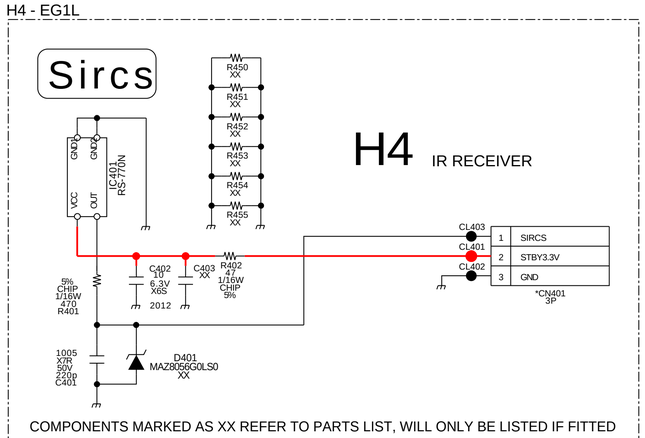
H3E - EG1L



COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

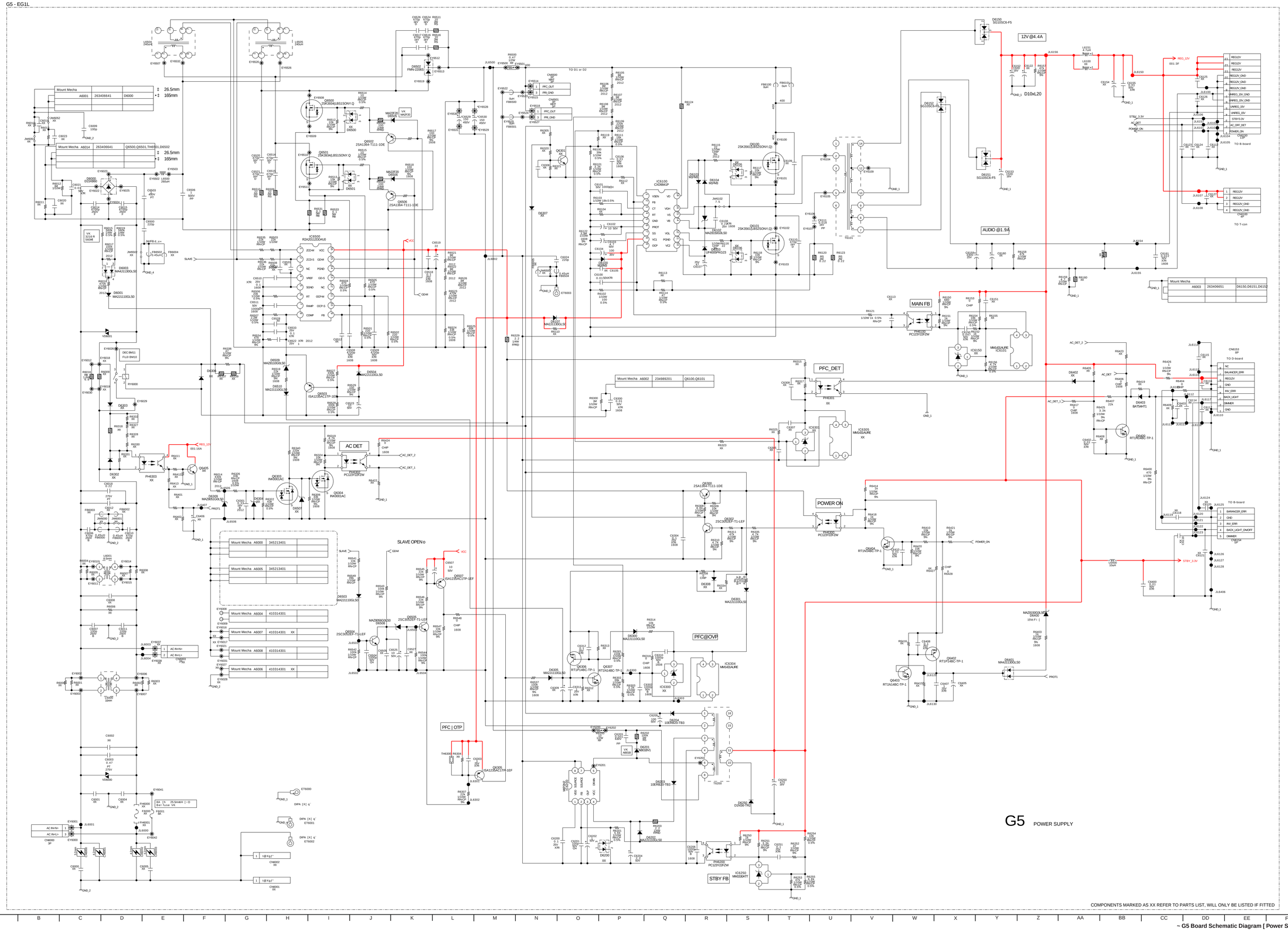
~ H3E Board Schematic Diagram [LED/Lumisensor] ~

H4 - EG1L



COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ H4 Board Schematic Diagram [IR Receiver] ~


12V@4.4A
AUDIO @1.9A
MAIN FB
PFC_DET
POWER ON
PFC@OVP
PFC | OTP
STBY FB
AC DET
SLAVE OPEN o
D10xL20
G5 POWER SUPPLY
COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

Mount Mecha A6001	263406611	D6000

Mount Mecha A6005	263406611	Q6551,Q6552,THG308,D6555

Mount Mecha A6002	234989201	Q6100,Q6101

Mount Mecha A6003	263406611	D6150,D6151,D6152

IP5 1/2 POWER SUPPLY

COMPONENTS MARKED AS XX REFER TO PARTS LIST. WILL ONLY BE LISTED IF FITTED

IP5 - EG1L

IP5 2/2

Mount Mecha A6607	263406661	D6604,Q6602

Mount Mecha A6608	263406661	D6605,Q6603

NEW HIT-1300 TYPE

40" HIT-1300

46" HIT-1301

HIROSE MDF61

High Voltage Output

HV1=2kVo-p

HV2=2KVo-p

HV1-HV2:XbgKv

395V

40" FDK NEW DRIVE TRANS

46" SANKEN NEW DRIVE TRANS

FROM Power Supply

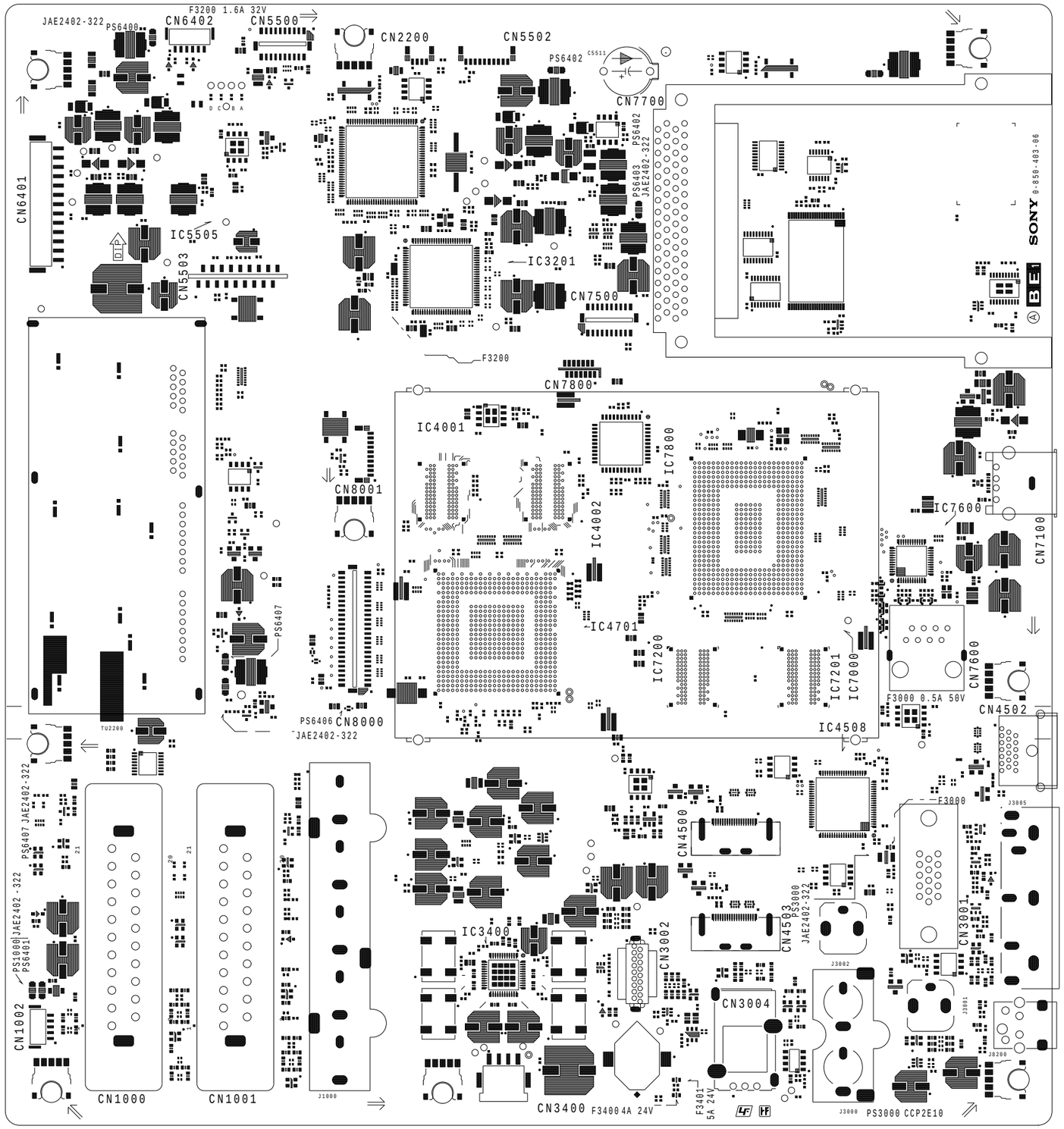
FOR 40"

FOR 46"

TO BALANCER BOARD

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

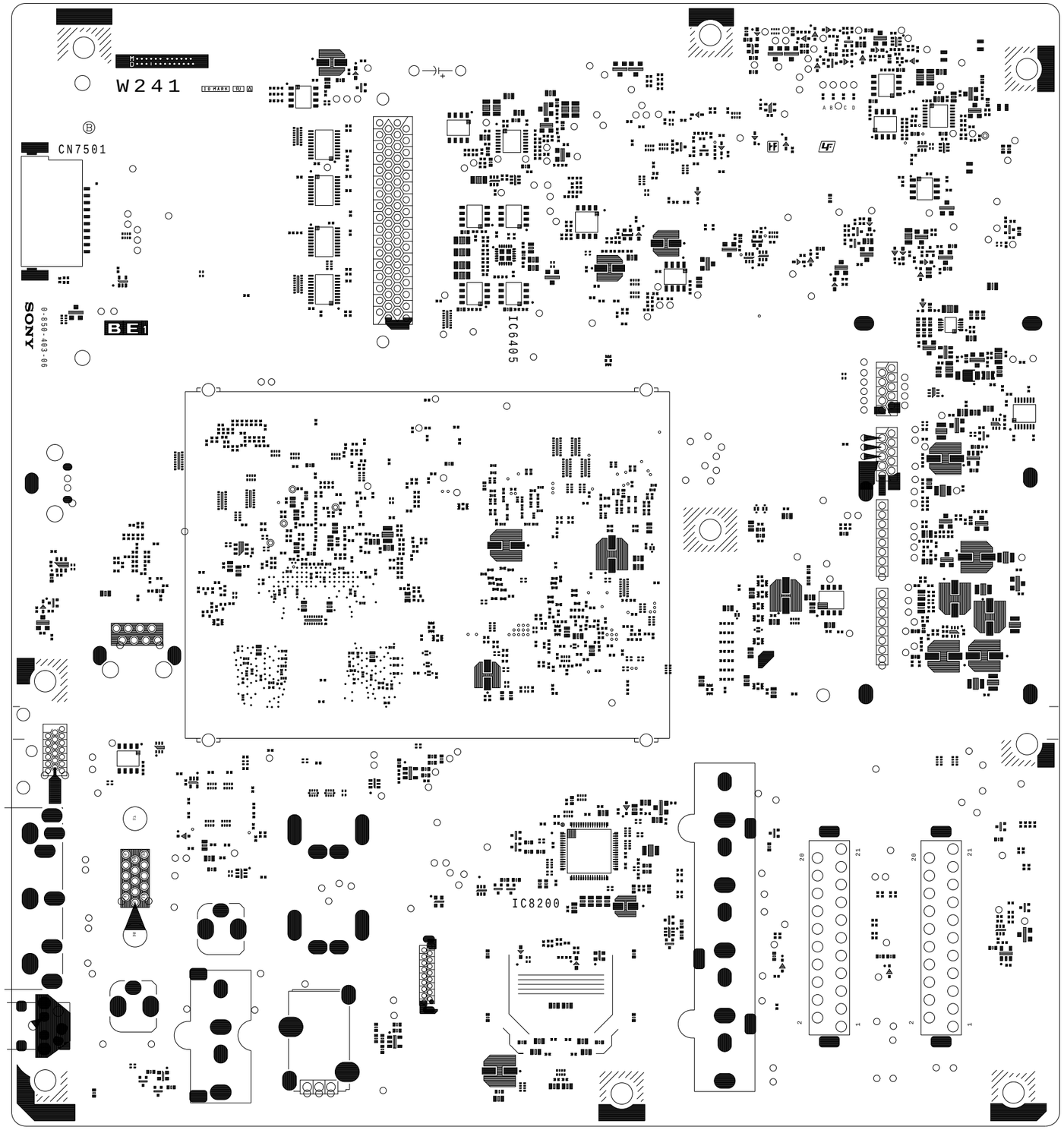
~ BE1 Printed Wiring Board Side A ~



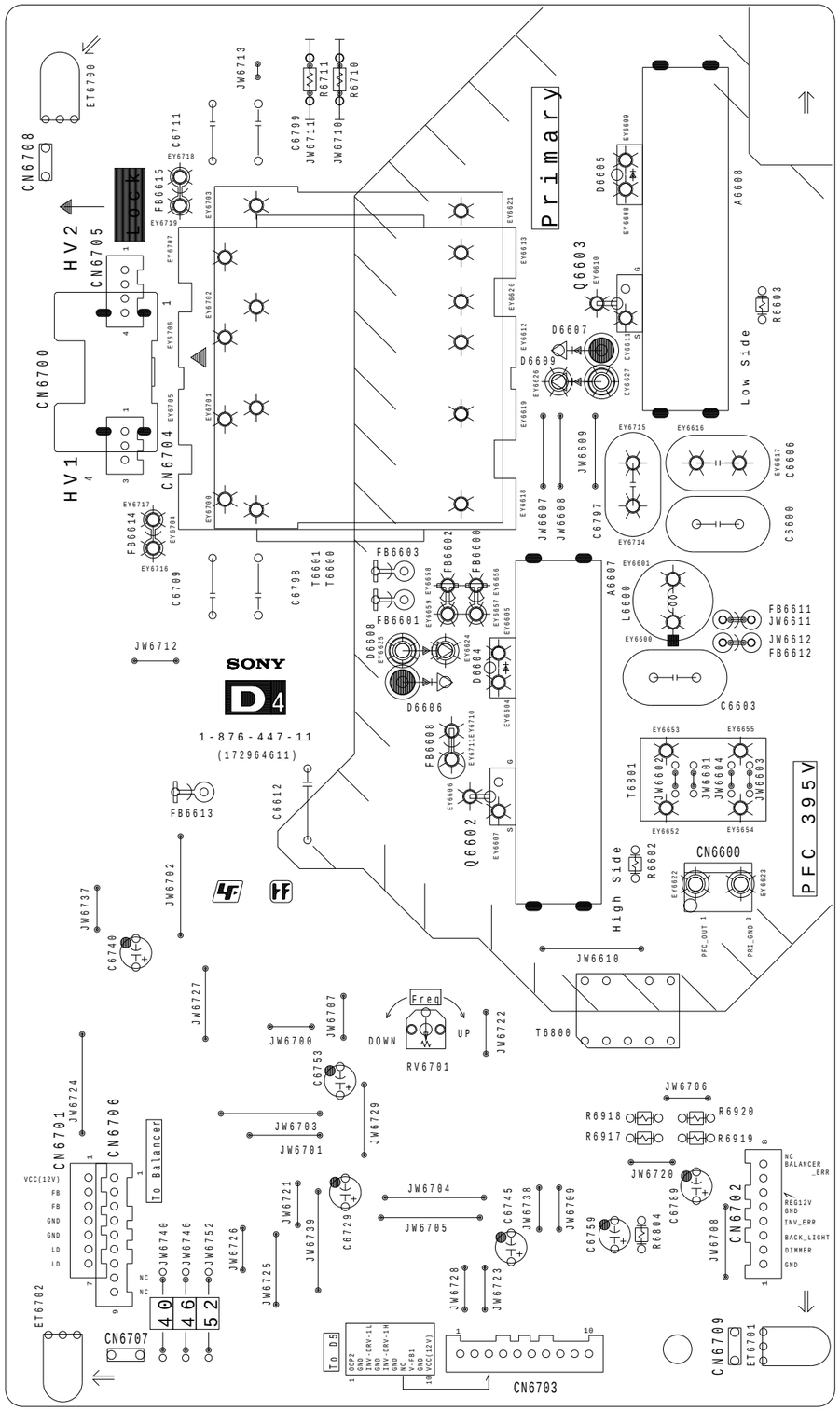
~ BE1 Board IC Voltage Table Side A ~

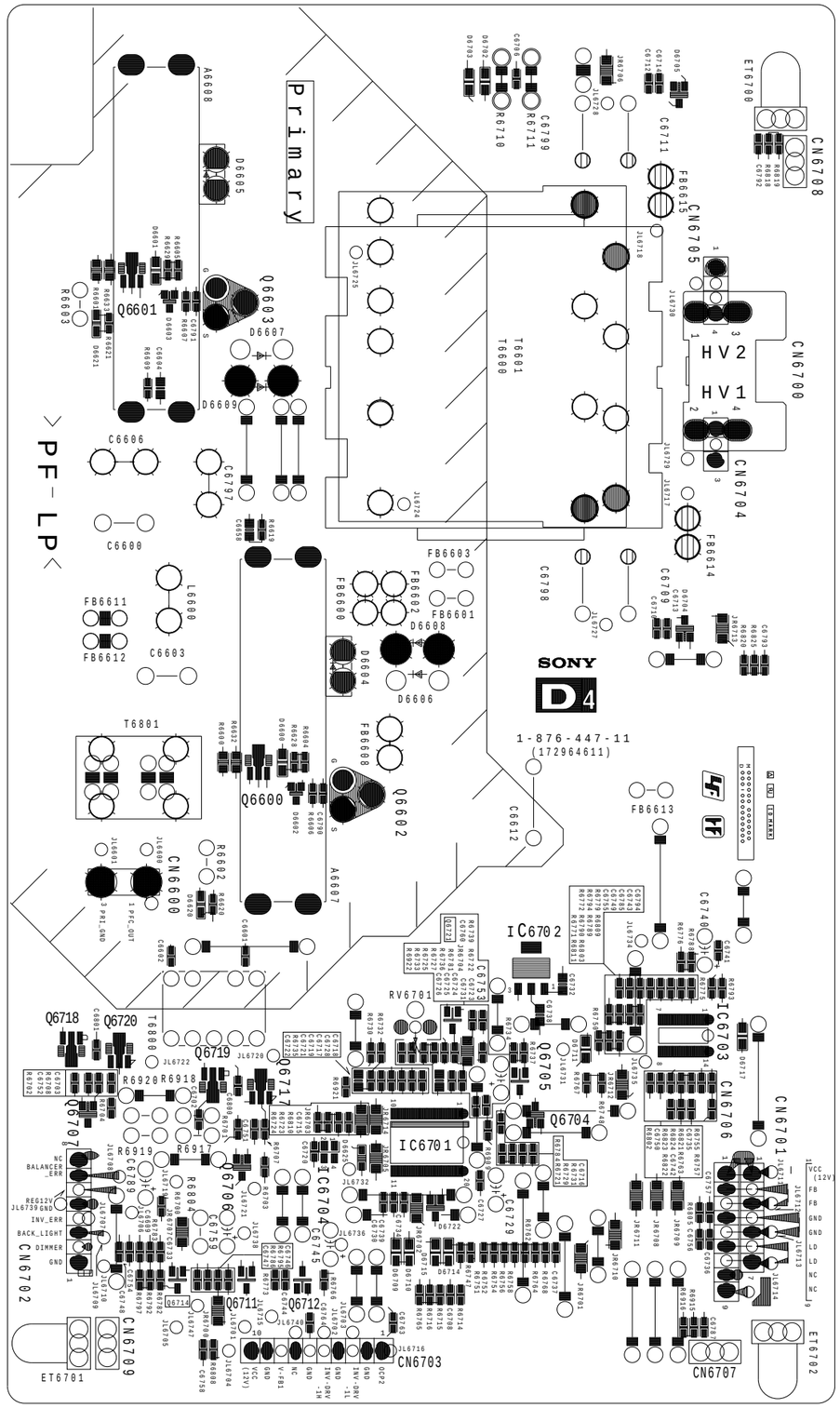
Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)
IC1000	1	2.5	IC4505	4	0
	2	2.5		5	4.8
	3	2.5		6	4.8
	4	2.5		7	0
	5	2.5		8	4.8
	6	0	IC5501	1	2.9
	7	0		2	2.9
	8	0		4	0
	9	3.3		5	3.3
	10	3.3		6	0
	11	3.3		7	3.3
	12	0		8	3.3
	13	0	IC5502	2	0.4
	14	0		3	3.3
	15	2.5		4	0
	16	5.1		5	3.3
IC3000	1	0		6	3.3
	2	0		7	0
	3	0		8	3.0
	4	0	IC5503	1	0
	5	4.7		2	0
	6	4.7		3	0
	7	1.1		4	0
	8	4.6		5	2.9
IC3004	1	1.6		6	2.9
	2	0		7	3.3
	3	0		8	3.3
	4	0	IC6570	1	1.2
	5	0		2	0
	6	1.6		3	0
	7	1.6		4	0.3
	8	3.3		5	1.8
IC4500	1	0		6	0
	2	0		7	0
	3	0		8	1.8
	4	0	IC6572	1	1.1
	5	4.4		2	0
	6	4.4		3	0
	7	0		4	0
	8	4.4		5	2.5
IC4505	1	0		6	0
	2	0		7	0
	3	0		8	2.5

~ BE1 Printed Wiring Board Side B ~

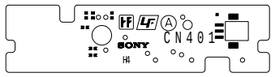


~ D4 Printed Wiring Board ~

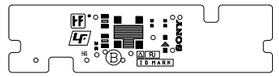




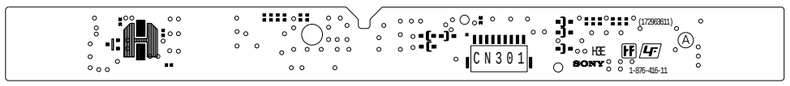
~ H4 Printed Wiring Board Side A ~



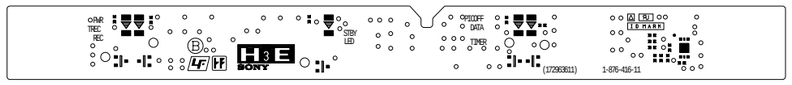
~ H4 Printed Wiring Board Side B ~



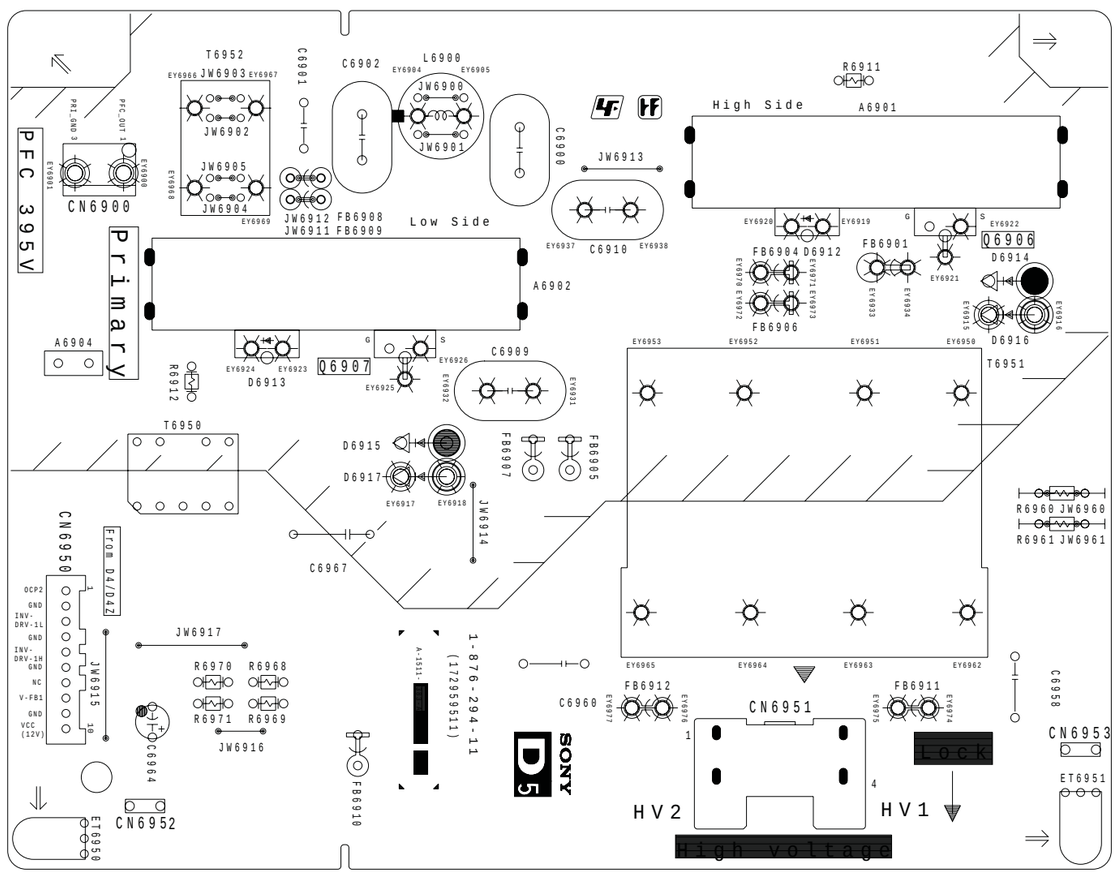
~ H3E Printed Wiring Board Side A ~



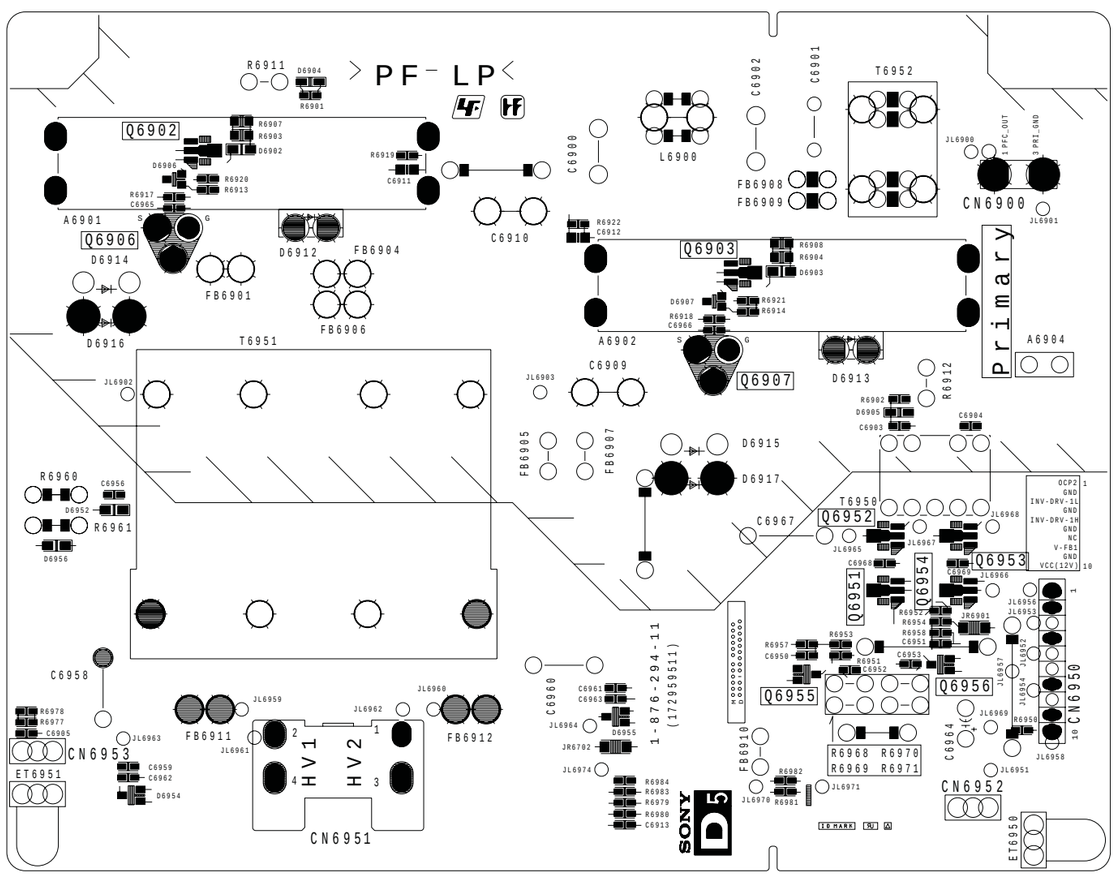
~ H3E Printed Wiring Board Side B ~



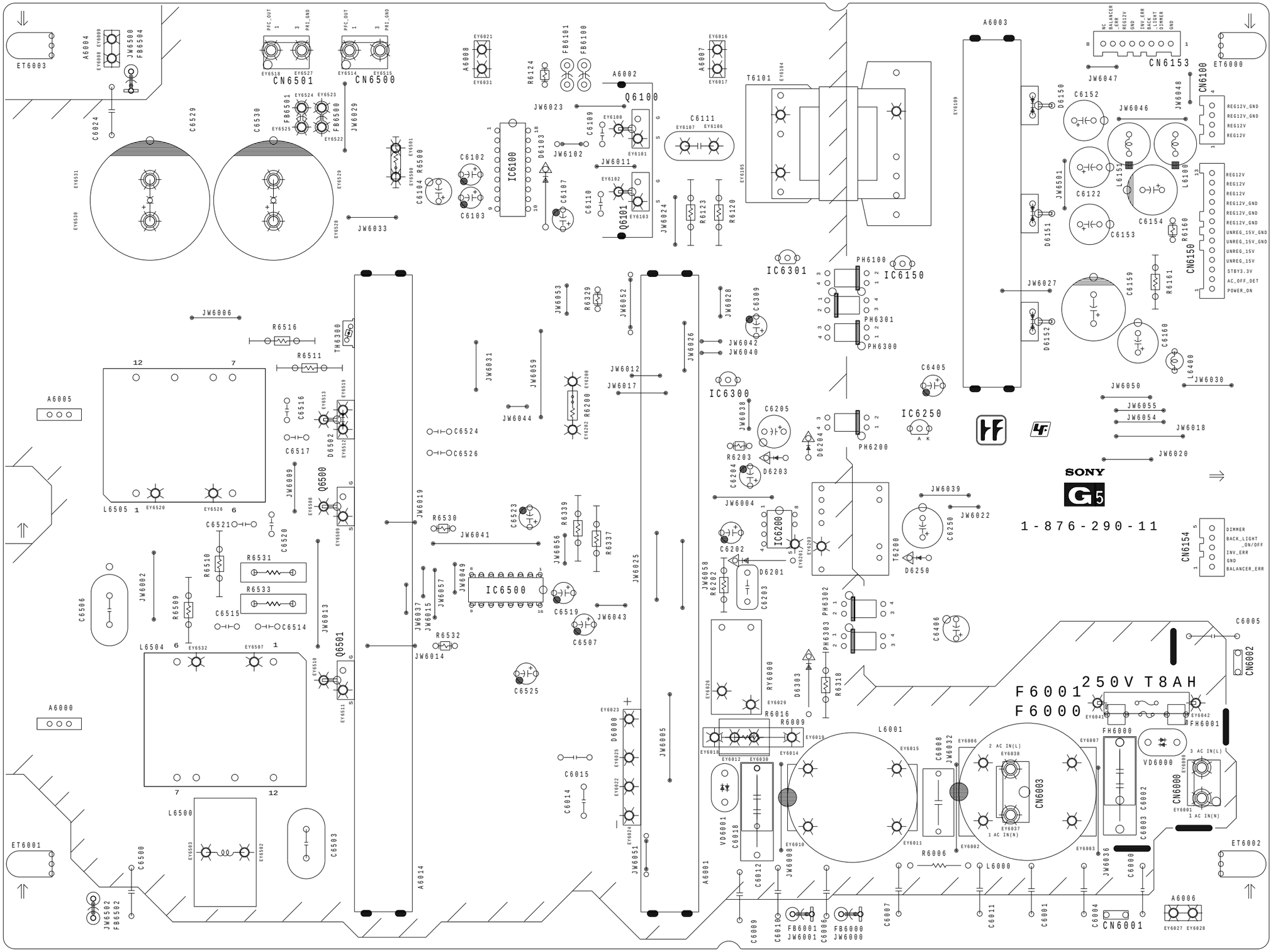
~ D5 Printed Wiring Board Side A ~



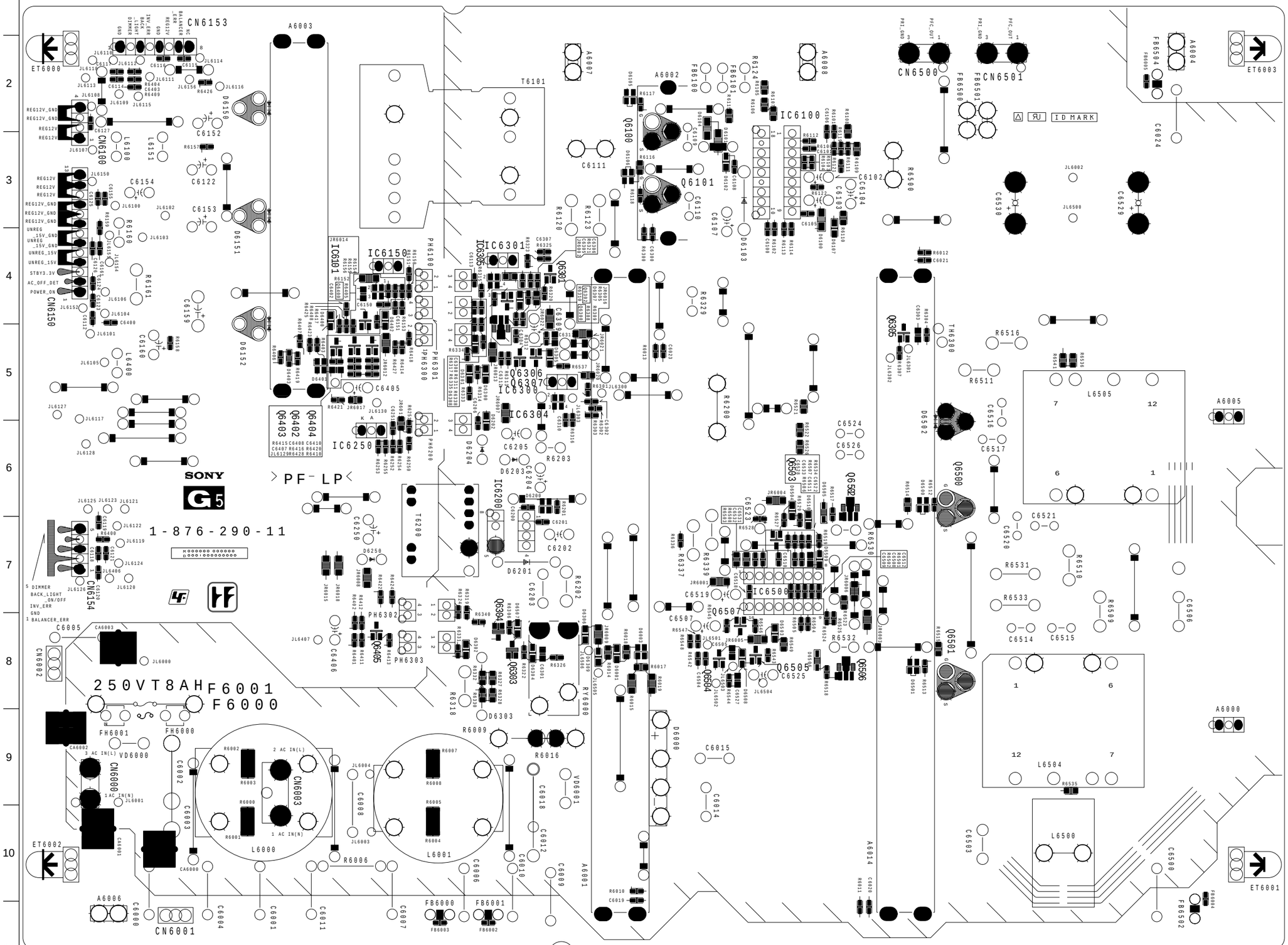
~ D5 Printed Wiring Board Side B ~



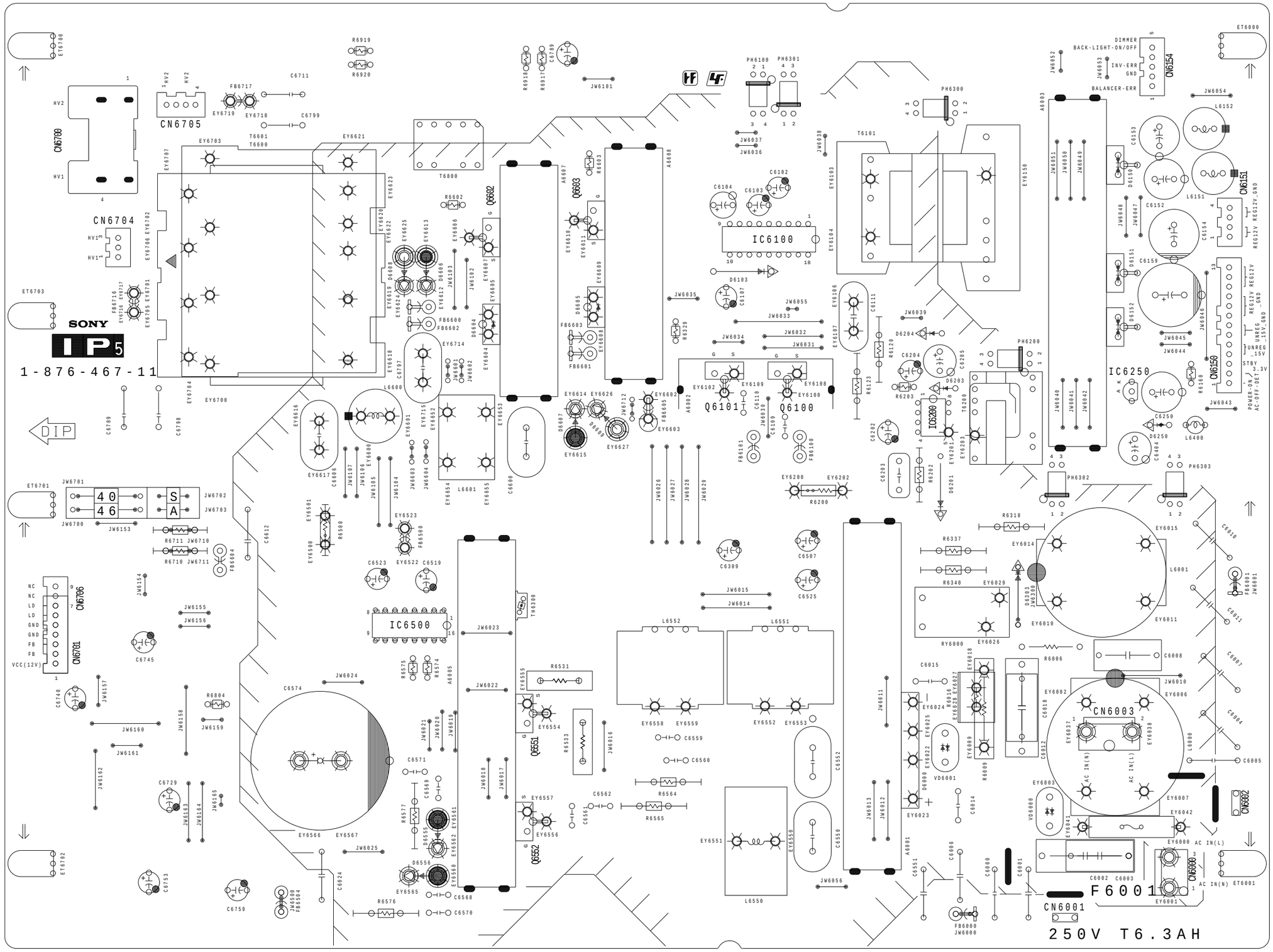
~ G5 Printed Wiring Board Side A ~



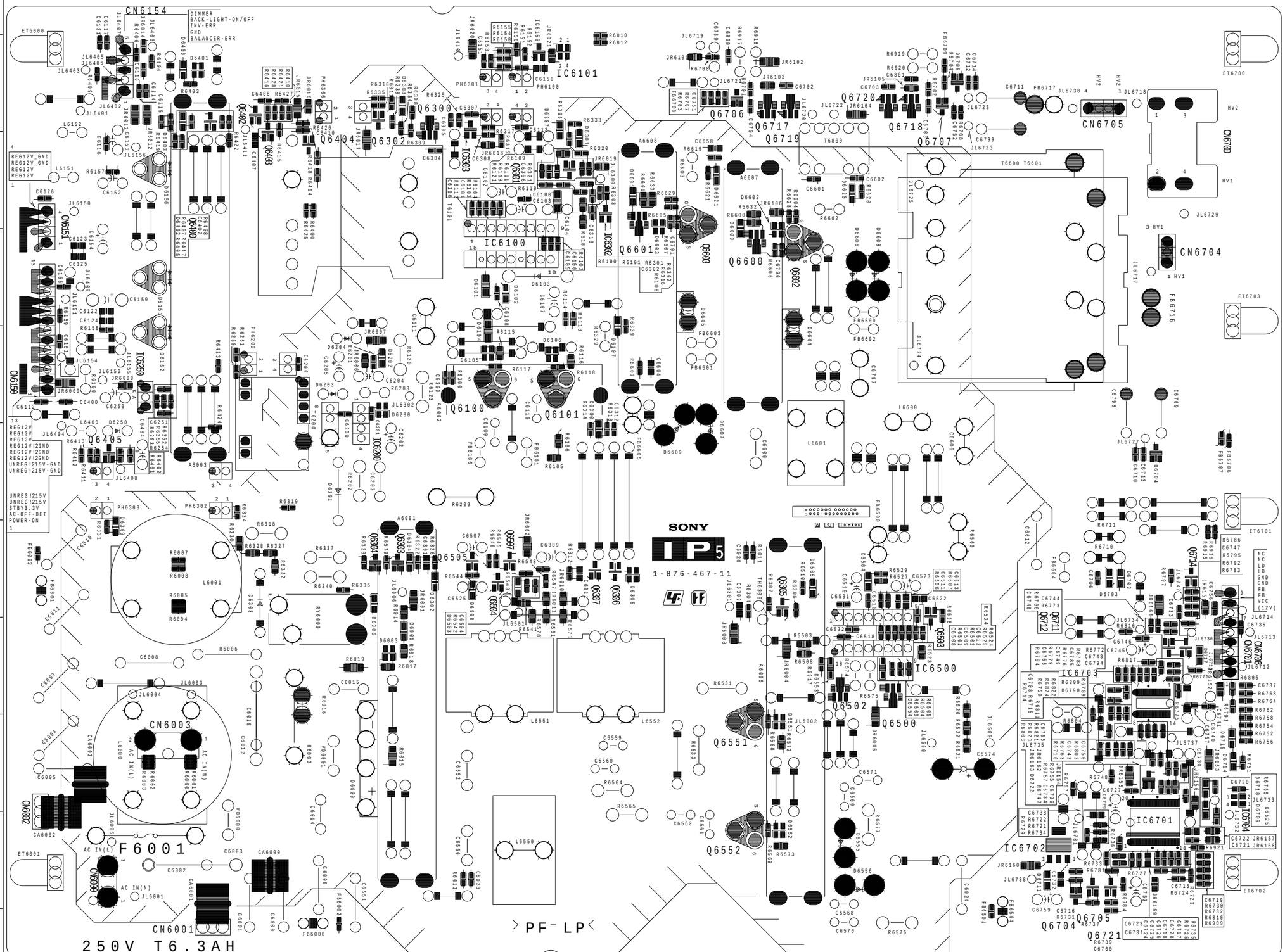
~ G5 Printed Wiring Board Side B ~



~ IP5 Printed Wiring Board Side A ~



~ IP5 Printed Wiring Board Side B ~



SECTION 5
EXPLODED VIEWS

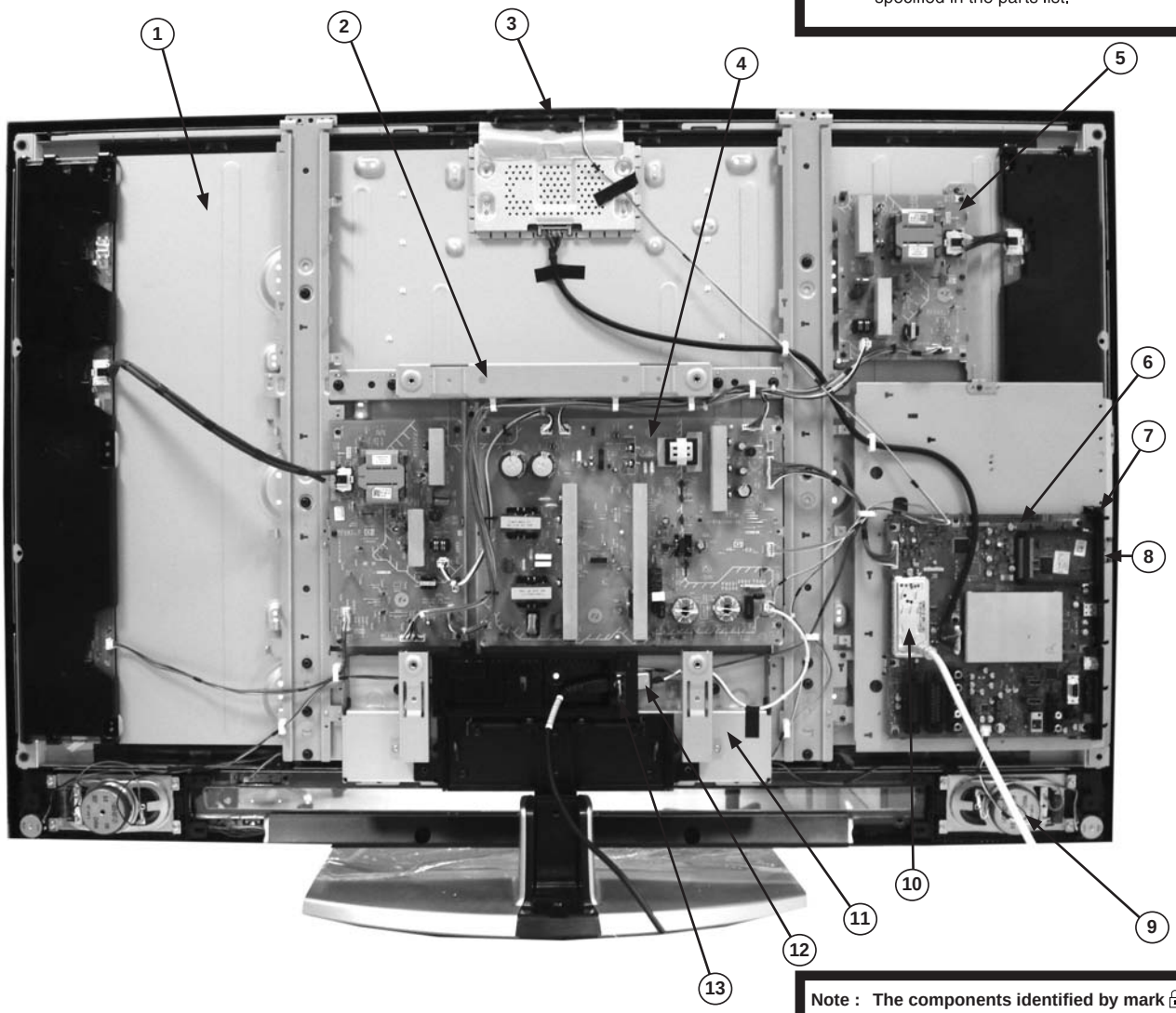
NOTE :

- Non-serviceable items with no part number and no description are not stocked because they are not required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

Note : Les composants indentifies par une trame et par une marque ⚠ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

5-1. CHASSIS



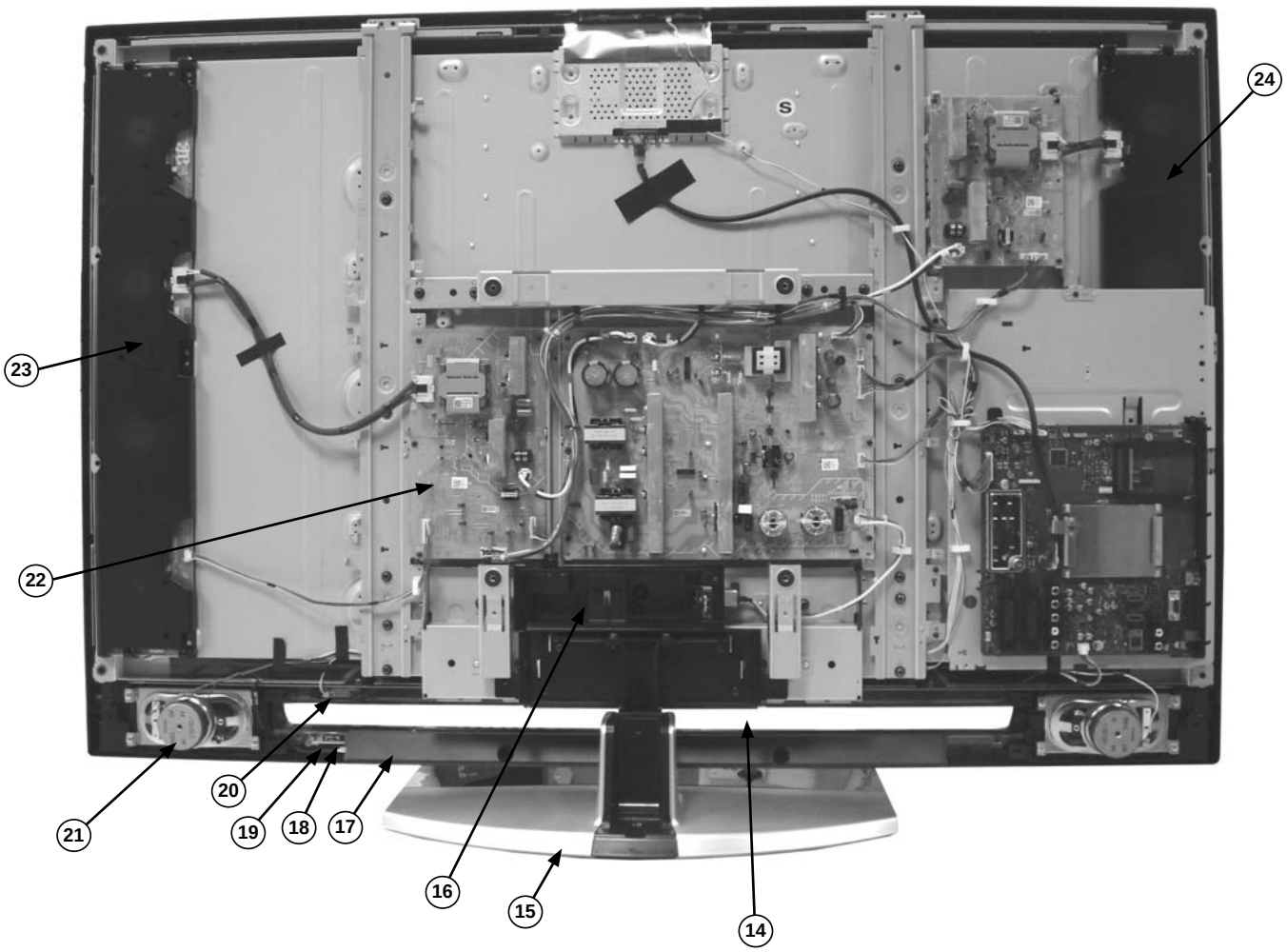
Note : The components identified by mark 🔒 contain confidential information. Strictly follow the instructions when ever the components are repaired and/or replaced.

REF.NO.		PART.NO	DESCRIPTION	REMARK
1	⚠	1-802-648-11	LCD PANEL (32 INCH FHD TFT)	32 inches
	⚠	1-802-664-11	LCD PANEL (40 INCH FHD TFT)	40 inches
	⚠	1-802-663-11	LCD PANEL (46 INCH FHD TFT)	46 inches
	⚠	1-802-662-11	LCD PANEL (52 INCH FHD TFT)	52 inches
2		3-284-386-01	FRAME, VESA (TOP)	32 inches
		3-284-384-01	FRAME, VESA (TOP)	40 inches
		3-298-053-01	FRAME, VESA (TOP)	46/52 inches
3		1-480-708-11	SWITCH UNIT	
4		1-474-099-11	SWITCHING REGULATOR G1D	32 inches
		*A-1548-233-A	IP5 BOARD, COMPLETE	40 inches
		*A-1548-234-A	IP5 BOARD, COMPLETE	46 inches
		*A-1545-447-A	G5 BOARD, COMPLETE	52 inches
5		*A-1511-383-A	D5 BOARD, COMPLETE	52 inches
6	🔒	*A-1544-103-A	BE1 BOARD, COMPLETE	40/46/52 inches
Ver 2.0	🔒	*A-1556-411-A	BE1 BOARD, COMPLETE	32 inches
7		X-2189-647-1	SIDE JACK BRACKET ASSY (AEP)	
8		*4-101-356-02	CARD, DUMMY	
9		1-826-923-11	LOUDSPEAKER (5.5X12CM)	32 inches
		1-826-922-11	LOUDSPEAKER ASSY (3,5.8X12.6CM)	40 inches
		1-826-921-11	LOUDSPEAKER (3,6.5X15CM)	46/52 inches
10		8-597-641-00	TUNER UNIT, DIGITAL BTD-HF411T	
11		3-298-054-01	FRAME, VESA (BOTTOM)	32 inches
		3-298-056-01	FRAME, VESA (BOTTOM)	40/46/52 inches
12	⚠	1-821-909-11	AC INLET	40/46/52 inches
13	⚠	3-298-060-01	AC INLET BRACKET	40/46/52 inches

5-1. CHASSIS Cont.

Note : Les composants indentifies par une trame et par une marque ⚠ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.



REF.NO.	PART.NO	DESCRIPTION	REMARK
14	X-2318-042-1	CLEAR PANEL (32EM) PRINTED	(32W4000)
	X-2318-043-1	CLEAR PANEL (40EM) PRINTED	(40W4000)
	X-2318-044-1	CLEAR PANEL (46EM) PRINTED	(46W4000)
	X-2318-045-1	CLEAR PANEL (52EM) PRINTED	(52W4000)
	3-293-449-31	PANEL, CLEAR (32)	(32W4220)
	3-293-438-31	PANEL, CLEAR (40)	(40W4220)
	X-2318-804-1	CLEAR PANEL (46EM) PRINTED	(46W4220)
	X-2318-802-1	CLEAR PANEL (52EM) PRINTED	(52W4220)
15	X-2190-378-1	STAND (M) ASSY 32 inches	
	X-2189-410-1	STAND (ML) ASSY 40 inches	
	X-2189-411-1	STAND (L) ASSY 46 inches	
	X-2190-786-1	STAND (LL) ASSY 52 inches	
16	3-298-224-01	COVER, UNDER (M) 32 inches	
	3-298-014-01	COVER, UNDER (L2) 40/46 inches	
	3-298-229-01	COVER, UNDER (LL) 52 inches	

REF.NO.	PART.NO	DESCRIPTION	REMARK
17	3-300-537-01	BAR, UNDER (M) 32 inches	
	3-298-013-01	BAR, UNDER (ML) 40 inches	
	3-298-029-01	BAR, UNDER (L) 46/52 inches	
18	3-298-012-01	GUIDE, LIGHT	
19	*A-1510-350-A	H3E BOARD, COMPLETE	
20	*A-1510-351-A	H4 BOARD, COMPLETE	
21	1-826-923-21	LOUDSPEAKER (5.5X12CM) 32 inches	
	1-826-922-21	LOUDSPEAKER ASSY (3,5.8X12.6CM) 40 inches	
	1-826-921-21	LOUDSPEAKER (3,6.5X15CM) 46/52 inches	
22	*A-1511-382-A	D4 BOARD, COMPLETE 52 inches	
23 Ver 3.0	1-857-045-11	ETC-INVERTER MT BOARD 32 inches	
Ver 3.0	1-857-046-11	ETC-INVERTER MT BOARD 40 inches	
Ver 3.0	1-857-047-11	ETC-INVERTER MT BOARD 46 inches	
Ver 3.0	1-857-048-11	ETC-INVERTER MT BOARD (LU) 52 inches	
Ver 3.0	1-857-049-11	ETC-INVERTER MT BOARD (LL) 52 inches	
24 Ver 3.0	1-857-050-11	ETC-INVERTER MT BOARD (RU) 52 inches	
Ver 3.0	1-857-051-11	ETC-INVERTER MT BOARD (RL) 52 inches	

5-2. BEZEL

Note : Les composants indentifies par une trame et par une marque ⚠ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART.NO	DESCRIPTION	REMARK
51	X-2190-993-1	BEZEL (32EM) ASSY	32 inches
	X-2190-997-1	BEZEL (40EM) ASSY	40 inches
	X-2190-996-1	BEZEL (46EM) ASSY	46 inches
	X-2190-995-1	BEZEL (52EM) ASSY	52 inches

REF.NO.	PART.NO	DESCRIPTION	REMARK
52	1-480-680-11	ILLUMINATION MODULE	

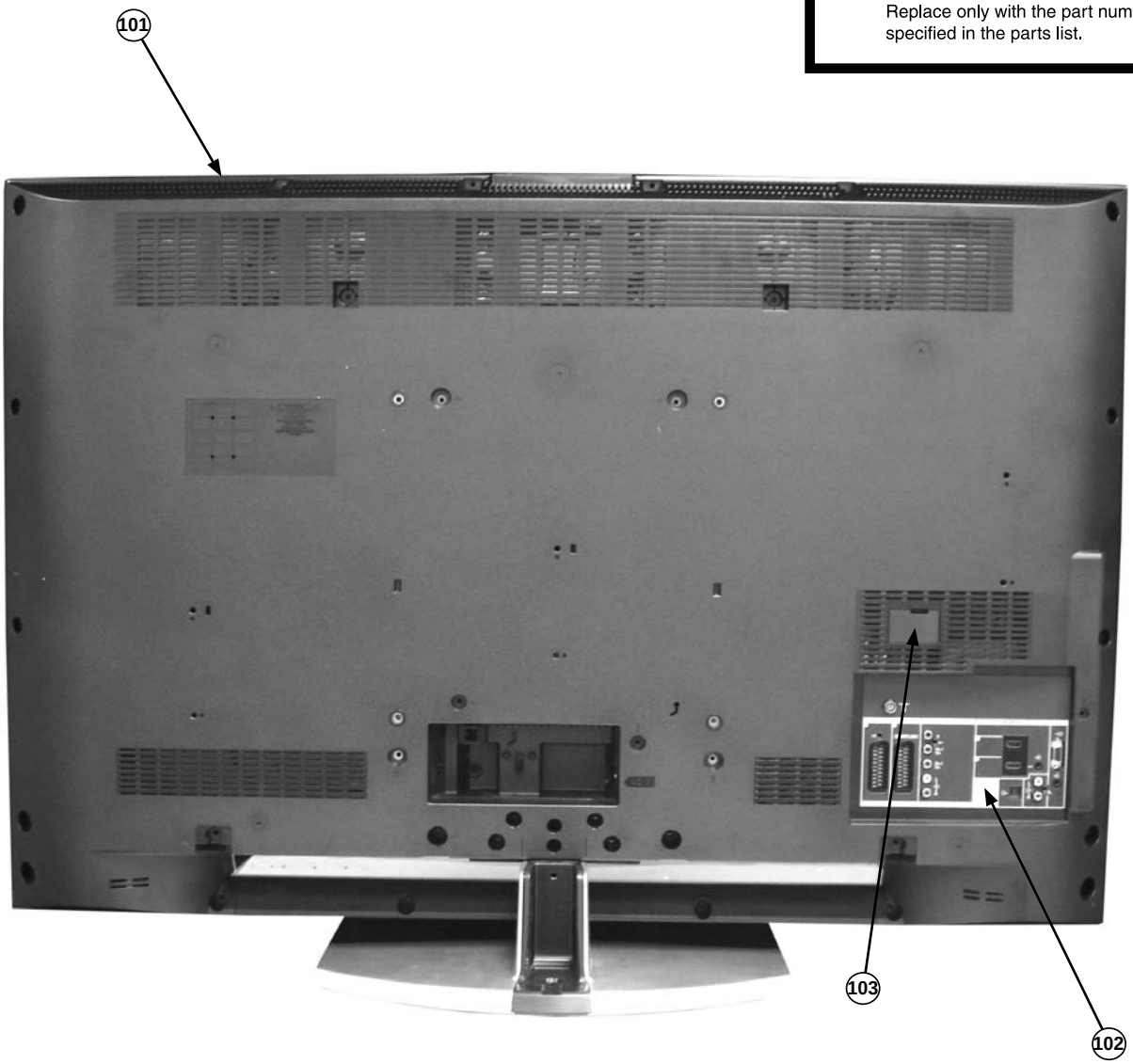
5-3. REAR COVER & POWER SUPPLY CORDS

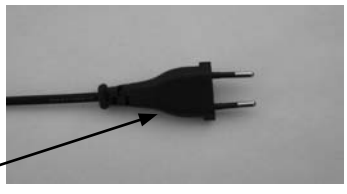
NOTE :

If ordering item 101 (Rear cover) please order item 102 (Label,rear terminal) as well.

Note : Les composants indentifies par une trame et par une marque ⚠ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.





REF.NO.		PART.NO	DESCRIPTION	REMARK
101		3-293-605-01	REAR COVER (32)	32 inches
		3-293-589-01	REAR COVER (40)	40 inches
		3-293-584-01	REAR COVER (46)	46 inches
		3-293-622-01	REAR COVER (52)	52 inches
102		*3-298-011-01	LABEL, REAR TERMINAL	
103		3-106-546-01	COVER,ECS	
104	⚠	1-832-132-41	POWER SUPPLY CORD (32″ AEP)	
	⚠	1-835-200-11	POWER SUPPLY CORD (40/46/52″ AEP)	
105	⚠	1-835-341-11	POWER SUPPLY CORD (UK PLUG) (32″ UK)	(W4000)
	⚠	1-835-165-11	POWER SUPPLY CORD (40/46/52″ UK)	(W4000)

SECTION 6
ELECTRICAL PARTS LIST

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Note: To ensure safety and reliability it is Sony policy that power supply boards should not be repaired at component level in the field as a result... The D4, D5, G1D, G5 and IP5 boards are regarded as non service items for exchange only and are not indicated in the parts list of this service manual

Note : Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

Note : The components identified by mark 🔓 contain confidential information. Strictly follow the instructions when ever the components are repaired and/or replaced.

BE1

🔓 * A-1544-103-A BE1 Board, Complete (40/46/52 inches)

Ver 2.0 **🔓 * A-1556-411-A BE1 Board, Complete (32 inches)**

< CAPACITOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
C1001	1-112-780-11	CERAMIC CHIP 0.47UF	10% 16V
C1002	1-112-780-11	CERAMIC CHIP 0.47UF	10% 16V
C1003	1-112-780-11	CERAMIC CHIP 0.47UF	10% 16V
C1004	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C1006	1-114-399-21	ELECT CHIP 47UF	20% 6.3V
C1009	1-100-831-91	CERAMIC CHIP 0.001UF	2% 50V
C1010	1-114-324-11	CERAMIC CHIP 0.022UF	10% 50V
C1011	1-100-831-91	CERAMIC CHIP 0.001UF	2% 50V
C1012	1-114-324-11	CERAMIC CHIP 0.022UF	10% 50V
C1017	1-114-327-11	CERAMIC CHIP 1UF	10% 16V
C1018	1-114-327-11	CERAMIC CHIP 1UF	10% 16V
C1019	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C1020	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C1021	1-100-766-21	ELECT CHIP 47UF	20% 16V
C1022	1-100-766-21	ELECT CHIP 47UF	20% 16V
C1025	1-114-324-11	CERAMIC CHIP 0.022UF	10% 50V
C1026	1-114-324-11	CERAMIC CHIP 0.022UF	10% 50V
C1027	1-100-831-91	CERAMIC CHIP 0.001UF	2% 50V
C1028	1-100-831-91	CERAMIC CHIP 0.001UF	2% 50V
C1029	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C1030	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C1031	1-114-327-11	CERAMIC CHIP 1UF	10% 16V
C1036	1-114-327-11	CERAMIC CHIP 1UF	10% 16V
C1037	1-100-831-91	CERAMIC CHIP 0.001UF	2% 50V
C1038	1-100-831-91	CERAMIC CHIP 0.001UF	2% 50V
C1039	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C1040	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C2200	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2201	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C2202	1-112-001-81	CERAMIC CHIP 270PF	5% 50V
C2205	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C2206	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2208	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C2210	1-114-332-11	CERAMIC CHIP 22UF	10% 6.3V
C2211	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2212	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2215	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2216	1-114-332-11	CERAMIC CHIP 22UF	10% 6.3V
C2217	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C2218	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2219	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C2220	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2223	1-135-366-11	ELECT CHIP 100UF	20% 16V
C2225	1-135-366-11	ELECT CHIP 100UF	20% 16V
C2226	1-164-852-11	CERAMIC CHIP 12PF	5.00% 50V
C2227	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C2228	1-135-366-11	ELECT CHIP 100UF	20% 16V
C2229	1-164-852-11	CERAMIC CHIP 12PF	5.00% 50V
C2230	1-135-366-11	ELECT CHIP 100UF	20% 16V
C2231	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C2236	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C2237	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2238	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2239	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2240	1-100-904-11	CERAMIC CHIP 330PF	10% 50V
C2244	1-114-327-11	CERAMIC CHIP 1UF	10% 16V
C2245	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C2246	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C2247	1-114-325-11	CERAMIC CHIP 0.1UF	10% 25V
C2249	1-112-161-21	ELECT CHIP 1000UF	20% 6.3V
C2250	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C2251	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2254	1-114-407-21	ELECT CHIP 4.7UF	20% 50V
C2255	1-112-780-11	CERAMIC CHIP 0.47UF	10% 16V
C2256	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C2257	1-165-882-91	CERAMIC CHIP 2.2UF	50V
C2258	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C2259	1-165-621-91	CERAMIC CHIP 0.1UF	50V
C2260	1-114-325-11	CERAMIC CHIP 0.1UF	10% 25V
C2261	1-114-325-11	CERAMIC CHIP 0.1UF	10% 25V
C2268	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C2269	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C2270	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C2275	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3014	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3026	1-100-831-91	CERAMIC CHIP 0.001UF	2% 50V
C3027	1-100-831-91	CERAMIC CHIP 0.001UF	2% 50V
C3028	1-100-831-91	CERAMIC CHIP 0.001UF	2% 50V
C3029	1-100-831-91	CERAMIC CHIP 0.001UF	2% 50V
C3030	1-114-327-11	CERAMIC CHIP 1UF	10% 16V
C3031	1-114-327-11	CERAMIC CHIP 1UF	10% 16V
C3032	1-114-327-11	CERAMIC CHIP 1UF	10% 16V
C3033	1-114-327-11	CERAMIC CHIP 1UF	10% 16V
C3072	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C3073	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C3075	1-100-831-91	CERAMIC CHIP 0.001UF	2% 50V
C3076	1-100-831-91	CERAMIC CHIP 0.001UF	2% 50V
C3077	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3078	1-114-327-11	CERAMIC CHIP 1UF	10% 16V
C3079	1-114-327-11	CERAMIC CHIP 1UF	10% 16V
C3406	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C3407	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C3417	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C3418	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C3419	1-112-781-11	CERAMIC CHIP 1UF	10% 10V

REF.NO.	PART.NO	DESCRIPTION	REMARK		REF.NO.	PART.NO	DESCRIPTION	REMARK	
C3420	1-112-781-11	CERAMIC CHIP 1UF	10%	10V	C4046	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3426	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4047	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3427	1-114-407-21	ELECT CHIP 4.7UF	20%	50V	C4049	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3428	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C4051	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3429	1-114-331-11	CERAMIC CHIP 4.7UF	10%	10V	C4053	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3430	1-114-326-11	CERAMIC CHIP 0.22UF	10%	25V	C4055	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3431	1-114-326-11	CERAMIC CHIP 0.22UF	10%	25V	C4057	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3442	1-114-326-11	CERAMIC CHIP 0.22UF	10%	25V	C4059	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3443	1-114-326-11	CERAMIC CHIP 0.22UF	10%	25V	C4061	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3446	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V	C4063	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3447	1-114-193-11	ELECT CHIP 470UF	20%	25V	C4065	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3448	1-112-800-11	ELECT CHIP 100UF	20%	35V	C4067	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3449	1-114-325-11	CERAMIC CHIP 0.1UF	10%	25V	C4070	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3450	1-100-912-11	CERAMIC CHIP 1UF	10%	25V	C4071	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3451	1-100-912-11	CERAMIC CHIP 1UF	10%	25V	C4072	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3452	1-112-800-11	ELECT CHIP 100UF	20%	35V	C4073	1-112-774-11	CERAMIC CHIP 470PF	10%	50V
C3453	1-114-325-11	CERAMIC CHIP 0.1UF	10%	25V	C4074	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3458	1-114-326-11	CERAMIC CHIP 0.22UF	10%	25V	C4075	1-112-774-11	CERAMIC CHIP 470PF	10%	50V
C3459	1-114-326-11	CERAMIC CHIP 0.22UF	10%	25V	C4076	1-112-774-11	CERAMIC CHIP 470PF	10%	50V
C3464	1-114-326-11	CERAMIC CHIP 0.22UF	10%	25V	C4077	1-112-774-11	CERAMIC CHIP 470PF	10%	50V
C3465	1-114-326-11	CERAMIC CHIP 0.22UF	10%	25V	C4078	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3466	1-114-326-11	CERAMIC CHIP 0.22UF	10%	25V	C4079	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3467	1-114-326-11	CERAMIC CHIP 0.22UF	10%	25V	C4502	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3469	1-100-912-11	CERAMIC CHIP 1UF	10%	25V	C4510	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3470	1-100-912-11	CERAMIC CHIP 1UF	10%	25V	C4511	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3480	1-112-781-11	CERAMIC CHIP 1UF	10%	10V	C4516	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C3482	1-100-767-21	ELECT CHIP 220UF	20%	16V	C4517	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C3484	1-112-065-11	CERAMIC CHIP 4.7UF	10%	16V	C4518	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C4003	1-135-366-11	ELECT CHIP 100UF	20%	16V	C4519	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C4006	1-135-366-11	ELECT CHIP 100UF	20%	16V	C4520	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C4007	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4521	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C4009	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4522	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C4012	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V	C4523	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C4013	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4524	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C4014	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4525	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C4016	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C4527	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C4017	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4528	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C4019	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4529	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C4021	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4532	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C4023	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4533	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4025	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4534	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C4027	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4535	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4030	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4710	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C4031	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4711	1-114-326-11	CERAMIC CHIP 0.22UF	10%	25V
C4033	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4712	1-114-326-11	CERAMIC CHIP 0.22UF	10%	25V
C4035	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4718	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4038	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4723	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4039	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4724	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C4042	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4726	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C4043	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4727	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V

REF.NO.	PART.NO	DESCRIPTION	REMARK		REF.NO.	PART.NO	DESCRIPTION	REMARK	
C4728	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5033	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4729	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5034	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C4730	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V	C5035	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4731	1-114-399-21	ELECT CHIP 47UF	20%	6.3V	C5036	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4732	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5038	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4733	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5039	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4734	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5040	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4735	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5041	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C4736	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5043	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C4737	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5044	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C4738	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5045	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C4739	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5046	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4740	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5047	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4741	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5049	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4742	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5050	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C4743	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5051	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4744	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5052	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4745	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V	C5058	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4747	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5060	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4748	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V	C5062	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4750	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5064	1-112-064-11	CERAMIC CHIP 2.2UF	10%	10V
C4751	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V	C5065	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4753	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5067	1-112-064-11	CERAMIC CHIP 2.2UF	10%	10V
C4754	1-112-774-11	CERAMIC CHIP 470PF	10%	50V	C5068	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C4755	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5069	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4756	1-112-774-11	CERAMIC CHIP 470PF	10%	50V	C5074	1-112-064-11	CERAMIC CHIP 2.2UF	10%	10V
C4757	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5075	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C5006	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5076	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5007	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5078	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C5008	1-114-327-11	CERAMIC CHIP 1UF	10%	16V	C5079	1-112-064-11	CERAMIC CHIP 2.2UF	10%	10V
C5009	1-114-327-11	CERAMIC CHIP 1UF	10%	16V	C5084	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C5011	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5087	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5013	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5088	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5014	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5091	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5015	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5092	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5016	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5093	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5017	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5094	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5018	1-112-774-11	CERAMIC CHIP 470PF	10%	50V	C5095	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5019	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5096	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5020	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5097	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5021	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5098	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5023	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5099	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5024	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5100	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5026	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5101	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5027	1-112-064-11	CERAMIC CHIP 2.2UF	10%	10V	C5102	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5028	1-112-064-11	CERAMIC CHIP 2.2UF	10%	10V	C5103	1-112-064-11	CERAMIC CHIP 2.2UF	10%	10V
C5029	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5104	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5030	1-112-064-11	CERAMIC CHIP 2.2UF	10%	10V	C5500	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C5031	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5501	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5032	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5502	1-100-912-11	CERAMIC CHIP 1UF	10%	25V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C5504	1-112-778-11	CERAMIC CHIP 0.022UF	10% 25V
C5505	1-164-842-11	CERAMIC CHIP 2PF	0.25PF 50V
C5506	1-164-843-11	CERAMIC CHIP 3PF	0.25PF 50V
C5507	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5508	1-114-399-21	ELECT CHIP 47UF	20% 6.3V
C5509	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5510	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C5511	1-104-905-11	DOUBLE LAYER 0.22F	5.5V
C5512	1-164-862-11	CERAMIC CHIP 33PF	5.00% 50V
C5513	1-164-862-11	CERAMIC CHIP 33PF	5.00% 50V
C5514	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5515	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5516	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5517	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5519	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5520	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C5523	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5524	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C5525	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C5526	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C5527	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C5528	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5532	1-100-765-21	ELECT CHIP 10UF	20% 16V
C5534	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5542	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C5543	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6400	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6401	1-114-327-11	CERAMIC CHIP 1UF	10% 16V
C6402	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6403	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6406	1-114-353-11	CAP, CERAMIC 0.01MF X7R (1410)	
C6407	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6408	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6409	1-114-327-11	CERAMIC CHIP 1UF	10% 16V
C6410	1-135-366-11	ELECT CHIP 100UF	20% 16V
C6411	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6412	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6413	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C6414	1-135-366-11	ELECT CHIP 100UF	20% 16V
C6415	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C6416	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C6417	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6418	1-164-940-11	CERAMIC CHIP 0.0033UF	10.00% 16V
C6419	1-100-766-21	ELECT CHIP 47UF	20% 16V
C6421	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C6422	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C6423	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6424	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6426	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6427	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C6428	1-164-245-11	CERAMIC CHIP 0.015UF	10.00% 25V
C6429	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C6430	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C6431	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6432	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C6434	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C6435	1-135-366-11	ELECT CHIP 100UF	20% 16V
C6436	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C6437	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6438	1-164-245-11	CERAMIC CHIP 0.015UF	10.00% 25V
C6439	1-114-415-21	ELECT CHIP 100UF	20% 6.3V
C6440	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6441	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C6442	1-114-415-21	ELECT CHIP 100UF	20% 6.3V
C6445	1-112-066-11	CERAMIC CHIP 10UF	10% 10V
C6447	1-127-772-81	CERAMIC CHIP 0.033UF	10% 10V
C6448	1-112-774-11	CERAMIC CHIP 470PF	10% 50V
C6449	1-164-245-11	CERAMIC CHIP 0.015UF	10.00% 25V
C6450	1-112-775-11	CERAMIC CHIP 0.0022UF	10% 50V
C6451	1-114-327-11	CERAMIC CHIP 1UF	10% 16V
C6452	1-112-774-11	CERAMIC CHIP 470PF	10% 50V
C6454	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C6456	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6457	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6460	1-114-415-21	ELECT CHIP 100UF	20% 6.3V
C6470	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C6471	1-112-774-11	CERAMIC CHIP 470PF	10% 50V
C6472	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6474	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6476	1-112-774-11	CERAMIC CHIP 470PF	10% 50V
C6479	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6483	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6486	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6487	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C6488	1-135-366-11	ELECT CHIP 100UF	20% 16V
C6489	1-135-366-11	ELECT CHIP 100UF	20% 16V
C6494	1-112-786-11	ELECT CHIP 330UF	20% 4V
C6498	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C6499	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C6501	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C6502	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6505	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6514	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C6516	1-112-064-11	CERAMIC CHIP 2.2UF	10% 10V
C6517	1-112-064-11	CERAMIC CHIP 2.2UF	10% 10V
C6519	1-112-774-11	CERAMIC CHIP 470PF	10% 50V
C6522	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6525	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6530	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6531	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V

REF.NO.	PART.NO	DESCRIPTION	REMARK		REF.NO.	PART.NO	DESCRIPTION	REMARK	
C6532	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C7024	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C6535	1-112-786-11	ELECT CHIP 330UF	20%	4V	C7026	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C6536	1-100-912-11	CERAMIC CHIP 1UF	10%	25V	C7027	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C6537	1-114-415-21	ELECT CHIP 100UF	20%	6.3V	C7028	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C6543	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C7029	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C6545	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C7030	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C6570	1-114-327-11	CERAMIC CHIP 1UF	10%	16V	C7034	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C6571	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C7035	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C6572	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7036	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C6573	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C7037	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C6574	1-114-327-11	CERAMIC CHIP 1UF	10%	16V	C7038	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C6575	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C7039	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C6576	1-114-410-21	CERAMIC CHIP 680PF	2%	50V	C7040	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C6577	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V	C7041	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C6578	1-114-327-11	CERAMIC CHIP 1UF	10%	16V	C7043	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C6579	1-112-786-11	ELECT CHIP 330UF	20%	4V	C7044	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C6580	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C7045	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C6581	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C7100	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C6582	1-100-911-11	CERAMIC CHIP 4.7UF	10%	25V	C7101	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C6584	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7102	1-112-780-11	CERAMIC CHIP 0.47UF	10%	16V
C6585	1-164-245-11	CERAMIC CHIP 0.015UF	10.00%	25V	C7103	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C6586	1-114-320-11	CERAMIC CHIP 0.22UF	10%	6.3V	C7104	1-164-849-11	CERAMIC CHIP 9PF	0.50PF	50V
C6587	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V	C7105	1-164-849-11	CERAMIC CHIP 9PF	0.50PF	50V
C6596	1-164-882-11	CERAMIC CHIP 220PF	5.00%	16V	C7106	1-164-856-81	CERAMIC CHIP 18PF	5.00%	50V
C6597	1-112-781-11	CERAMIC CHIP 1UF	10%	10V	C7107	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C6598	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V	C7108	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C6599	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C7109	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C6608	1-164-882-11	CERAMIC CHIP 220PF	5.00%	16V	C7110	1-164-854-11	CERAMIC CHIP 15PF	5.00%	50V
C7000	1-114-331-11	CERAMIC CHIP 4.7UF	10%	10V	C7111	1-114-296-11	ELECT CHIP 820UF	20%	6.3V
C7001	1-114-331-11	CERAMIC CHIP 4.7UF	10%	10V	C7112	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C7002	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7113	1-100-767-21	ELECT CHIP 220UF	20%	16V
C7003	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7114	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C7004	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7115	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C7005	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7200	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C7006	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7201	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C7007	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7202	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C7008	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7203	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C7009	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7204	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C7010	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7205	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C7011	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7206	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C7013	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7207	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C7014	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7208	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C7015	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7210	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C7017	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7211	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C7018	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7212	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C7019	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7213	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C7020	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7214	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C7021	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7215	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C7022	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7216	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C7023	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C7217	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C7218	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7219	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7220	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7221	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7222	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7223	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7224	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7225	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7226	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7227	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7228	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7229	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7230	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7231	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7232	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C7233	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7234	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7235	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7236	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7237	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7238	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7239	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7240	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7241	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7242	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7243	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7244	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7245	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7246	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C7300	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7301	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C7302	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7400	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7401	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7402	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C7403	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C7404	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C7405	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7406	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7407	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C7703	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7708	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7709	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7710	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7711	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7712	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7713	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7714	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7715	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C7716	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7717	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C8030	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C8031	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C8032	1-114-320-11	CERAMIC CHIP 0.22UF	10% 6.3V
C8035	1-135-366-11	ELECT CHIP 100UF	20% 16V
C8037	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C8201	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C8203	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C8204	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C8205	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C8206	1-100-766-21	ELECT CHIP 47UF	20% 16V
C8207	1-100-766-21	ELECT CHIP 47UF	20% 16V
C8208	1-100-766-21	ELECT CHIP 47UF	20% 16V
C8209	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C8216	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C8220	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C8222	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C8224	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C8226	1-112-064-11	CERAMIC CHIP 2.2UF	10% 10V
C8227	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C8228	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C8229	1-100-766-21	ELECT CHIP 47UF	20% 16V
C8230	1-112-064-11	CERAMIC CHIP 2.2UF	10% 10V
C8231	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C8232	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C8235	1-112-064-11	CERAMIC CHIP 2.2UF	10% 10V
C8237	1-100-766-21	ELECT CHIP 47UF	20% 16V
C8238	1-114-327-11	CERAMIC CHIP 1UF	10% 16V
C8239	1-114-327-11	CERAMIC CHIP 1UF	10% 16V
C8240	1-100-766-21	ELECT CHIP 47UF	20% 16V
C8241	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C8242	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C8243	1-100-766-21	ELECT CHIP 47UF	20% 16V
C8244	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C8245	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C8246	1-100-766-21	ELECT CHIP 47UF	20% 16V
C8247	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C8248	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C8249	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C8250	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C8251	1-100-766-21	ELECT CHIP 47UF	20% 16V
C8252	1-100-766-21	ELECT CHIP 47UF	20% 16V
C8253	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C8254	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C8256	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C8258	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C8260	1-100-831-91	CERAMIC CHIP 0.001UF	2% 50V

REF.NO.	PART.NO	DESCRIPTION	REMARK
		< CONNECTOR >	
CN1000	1-821-054-11	21PIN SOCKET	
CN1001	1-821-054-11	21PIN SOCKET	
CN2200	1-779-884-11	CONNECTOR 4P	
CN3001	1-821-013-11	D SUB CONNECTOR	
CN3004	1-821-844-11	OPTICAL OUT CONNECTOR	
CN3400	1-819-460-11	HEADER ASSEMBLY FOR PWB 4P	
CN4500	1-821-819-11	HDMI CONNECTOR	
CN4502	1-821-645-11	CONNECTOR, HDMI	
CN4503	1-821-819-11	HDMI CONNECTOR	
CN5500	1-818-714-21	HEADER ASSEMBLY 20P	
CN5502	1-784-254-11	CONNECTOR 10P	
CN5503	1-779-936-51	CONNECTOR, FFC/FPC 18P	
CN6401	1-819-797-11	HEADER ASSEMBLY FOR PWB 13P	
CN6402	1-819-474-11	HEADER ASSEMBLY FOR PWB 6P	
CN7100	1-817-109-11	CONNECTOR, USB (A)	
CN7501	1-820-209-11	MEMORY STICK CONNECTOR	
CN7700	*1-793-769-22	CONNECTOR, CARD (PCMCIA CARD)	
CN8000	1-819-784-21	PIN, CONNECTOR 50P	
CN8001	1-784-254-11	CONNECTOR 10P	
		< DIODE >	
D1000	8-719-058-24	DIODE RB501V-40TE-17	
D1001	6-502-177-01	DI UMZ9.1KTL	
D1002	6-502-177-01	DI UMZ9.1KTL	
D1003	6-502-177-01	DI UMZ9.1KTL	
D1004	6-501-623-01	DIODE PZU13B2	
D1005	6-502-180-01	DI UMZ12KTL	
D1006	6-502-177-01	DI UMZ9.1KTL	
D1007	6-502-177-01	DI UMZ9.1KTL	
D1008	6-502-177-01	DI UMZ9.1KTL	
D1009	6-502-177-01	DI UMZ9.1KTL	
D1010	6-501-623-01	DIODE PZU13B2	
D1011	6-502-177-01	DI UMZ9.1KTL	
D1012	6-501-619-01	DIODE PZU9.1B2	
D1013	6-502-180-01	DI UMZ12KTL	
D1014	6-502-180-01	DI UMZ12KTL	
D3000	6-502-180-01	DI UMZ12KTL	
D3002	6-502-180-01	DI UMZ12KTL	
D3011	6-501-614-01	DIODE PZU5.6B2	
D3014	6-500-335-01	DIODE MC2838-T112-1	
D3027	6-502-180-01	DI UMZ12KTL	
D3029	6-502-180-01	DI UMZ12KTL	
D3055	6-501-620-01	DIODE PZU10B2	
D3056	6-502-180-01	DI UMZ12KTL	
D3057	6-502-177-01	DI UMZ9.1KTL	
D3058	6-502-180-01	DI UMZ12KTL	
D3059	6-502-180-01	DI UMZ12KTL	
D3060	6-501-619-01	DIODE PZU9.1B2	

REF.NO.	PART.NO	DESCRIPTION	REMARK
D3400	6-501-732-01	DIODE MAZ8056G0LS0	
D3401	6-501-732-01	DIODE MAZ8056G0LS0	
D3403	6-500-335-01	DIODE MC2838-T112-1	
D3404	6-501-817-01	DIODE MA2J1110GLS0	
D3405	6-501-817-01	DIODE MA2J1110GLS0	
D3406	6-501-619-01	DIODE PZU9.1B2	
D3407	6-502-172-01	DI UMZ5.6KTL	
D4502	6-500-335-01	DIODE MC2838-T112-1	
D4505	6-500-335-01	DIODE MC2838-T112-1	
D4506	6-500-335-01	DIODE MC2838-T112-1	
D5501	6-501-817-01	DIODE MA2J1110GLS0	
D5503	6-501-818-01	DIODE MA2J1130GLS0	
D5504	8-719-058-24	DIODE RB501V-40TE-17	
D5505	6-501-817-01	DIODE MA2J1110GLS0	
D5506	6-501-817-01	DIODE MA2J1110GLS0	
D5507	6-500-335-01	DIODE MC2838-T112-1	
D5508	6-500-335-01	DIODE MC2838-T112-1	
D5510	6-502-172-01	DI UMZ5.6KTL	
D5520	6-501-614-01	DIODE PZU5.6B2	
D5521	6-500-335-01	DIODE MC2838-T112-1	
D5522	6-500-335-01	DIODE MC2838-T112-1	
D5523	8-719-058-24	DIODE RB501V-40TE-17	
D5524	8-719-058-24	DIODE RB501V-40TE-17	
D5525	8-719-058-24	DIODE RB501V-40TE-17	
D5526	8-719-058-24	DIODE RB501V-40TE-17	
D6401	6-501-614-01	DIODE PZU5.6B2	
D6404	6-500-334-01	DIODE MC2836-T112-1	
D6406	6-501-528-01	DIODE 1SMA5915BT3G	
D6407	6-501-528-01	DIODE 1SMA5915BT3G	
D6408	6-501-817-01	DIODE MA2J1110GLS0	
D6409	6-500-295-01	DIODE PTZ-TE25-5.6B	
D6412	6-501-528-01	DIODE 1SMA5915BT3G	
D6414	6-501-614-01	DIODE PZU5.6B2	
D6418	6-500-334-01	DIODE MC2836-T112-1	
D6431	6-501-528-01	DIODE 1SMA5915BT3G	
D6432	6-500-334-01	DIODE MC2836-T112-1	
D6433	6-500-334-01	DIODE MC2836-T112-1	
D7100	6-500-335-01	DIODE MC2838-T112-1	
D7101	6-500-701-01	DIODE PGB1010603NR	
D7102	6-500-701-01	DIODE PGB1010603NR	
D7400	8-719-053-07	DIODE SML-310MTT86	
D7401	8-719-053-07	DIODE SML-310MTT86	
D7402	8-719-053-07	DIODE SML-310MTT86	
D7403	8-719-053-07	DIODE SML-310MTT86	
D8202	6-500-335-01	DIODE MC2838-T112-1	
D8210	6-502-177-01	DI UMZ9.1KTL	
D8212	6-502-177-01	DI UMZ9.1KTL	
D8213	6-502-177-01	DI UMZ9.1KTL	
ET2200	1-780-482-11	EARTH TERMINAL	

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

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REF.NO.		PART.NO	DESCRIPTION	REMARK	
ET2201		1-780-482-11	EARTH TERMINAL		
ET5001		1-694-974-21	CONTACT TERMINAL		
ET5002		1-694-974-21	CONTACT TERMINAL		
ET5003		1-694-974-21	CONTACT TERMINAL		
ET5004		1-694-974-21	CONTACT TERMINAL		
ET5006		1-694-974-21	CONTACT TERMINAL		
ET6400		1-780-482-11	EARTH TERMINAL		
ET6401		1-780-482-11	EARTH TERMINAL		
ET6402		1-780-482-11	EARTH TERMINAL		
ET6403		1-780-482-11	EARTH TERMINAL		
ET6404		1-780-482-11	EARTH TERMINAL		
ET6405		1-780-482-11	EARTH TERMINAL		
ET6406		1-780-482-11	EARTH TERMINAL		
			< FUSE >		
F3000	⚠	1-576-646-11	FUSE	0.5A	50V
F3401	⚠	1-576-933-21	FUSE	5A	24V
			< FERRITE BEAD >		
FB2200		1-469-869-21	FERRITE	0UH	
FB2201		1-400-834-11	FERRITE	0UH	
FB2202		1-400-834-11	FERRITE	0UH	
FB2203		1-400-834-11	FERRITE	0UH	
FB2204		1-400-834-11	FERRITE	0UH	
FB2205		1-400-834-11	FERRITE	0UH	
FB2206		1-400-834-11	FERRITE	0UH	
FB2207		1-400-834-11	FERRITE	0UH	
FB2208		1-400-834-11	FERRITE	0UH	
FB2209		1-400-834-11	FERRITE	0UH	
FB2210		1-400-834-11	FERRITE	0UH	
FB2211		1-400-834-11	FERRITE	0UH	
FB2214		1-400-591-22	FERRITE	0UH	
FB2215		1-400-834-11	FERRITE	0UH	
FB2216		1-400-462-21	FERRITE	0UH	
FB2218		1-400-834-11	FERRITE	0UH	
FB3004		1-400-141-22	FERRITE	0UH	
FB3006		1-400-834-11	FERRITE	0UH	
FB3007		1-400-244-11	FERRITE	0UH	
FB3080		1-469-869-21	FERRITE	0UH	
FB3406		1-400-089-21	FERRITE	0UH	
FB3407		1-400-089-21	FERRITE	0UH	
FB3408		1-400-089-21	FERRITE	0UH	
FB3409		1-400-089-21	FERRITE	0UH	
FB4000		1-400-244-11	FERRITE	0UH	
FB4001		1-400-244-11	FERRITE	0UH	
FB4500		1-400-693-21	FERRITE	0UH	
FB4502		1-400-693-21	FERRITE	0UH	
FB4503		1-400-693-21	FERRITE	0UH	
FB4504		1-400-141-22	FERRITE	0UH	

REF.NO.	PART.NO	DESCRIPTION	REMARK
FB6400	1-400-915-21	FERRITE	0UH
FB6401	1-400-089-21	FERRITE	0UH
FB6402	1-400-834-11	FERRITE	0UH
FB6403	1-400-089-21	FERRITE	0UH
FB6404	1-400-834-11	FERRITE	0UH
FB6405	1-400-834-11	FERRITE	0UH
FB6406	1-400-089-21	FERRITE	0UH
FB6407	1-400-834-11	FERRITE	0UH
FB6409	1-400-089-21	FERRITE	0UH
FB6410	1-400-915-21	FERRITE	0UH
FB6411	1-400-915-21	FERRITE	0UH
FB6412	1-400-915-21	FERRITE	0UH
FB6413	1-400-089-21	FERRITE	0UH
FB6414	1-400-915-21	FERRITE	0UH
FB6415	1-400-915-21	FERRITE	0UH
FB6417	1-400-089-21	FERRITE	0UH
FB6418	1-400-915-21	FERRITE	0UH
FB7100	1-400-382-11	FERRITE	0UH
FB7101	1-400-382-11	FERRITE	0UH
FB7102	1-400-382-11	FERRITE	0UH
FB7500	1-400-807-21	FERRITE	0UH
FB7709	1-469-869-21	FERRITE	0UH
FB8200	1-414-760-21	FERRITE	0UH
		< FILTER >	
FL5000	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL5003	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL5008	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL5010	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL5011	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL5012	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL5013	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL5015	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL5016	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL5019	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL5023	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL5024	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
		< IC >	
IC1000	6-701-173-01	IC MC74LVXT4053DTR2	
IC2200	6-709-257-01	IC 74LVC4066PW	
IC2202	6-709-932-01	IC MM3141CNRE	
IC2203	6-709-607-01	IC LA5795T-TLM-E	
IC3000	6-704-600-01	IC M24C02-WMN6T(B)	
IC3004	8-759-242-64	IC TC4W53F	
IC3400	6-710-904-01	IC TPA3100D2PHPR	
IC4001	6-711-262-01	IC HYB18TC256160BF-3S	
IC4002	6-711-262-01	IC HYB18TC256160BF-3S	
IC4500	6-704-600-01	IC M24C02-WMN6T(B)	

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

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REF.NO.	PART.NO	DESCRIPTION	REMARK
IC4504	6-704-600-01	IC M24C02-WMN6T(B)	
IC4505	6-704-600-01	IC M24C02-WMN6T(B)	
IC4508	8-753-282-08	IC CXB1444R-T6	
IC4509	6-711-332-01	IC TC7SG17FU (TE85R,F)	
IC5500	6-704-573-01	IC M24C32-WMN6T(B)	
IC5502	6-712-337-01	IC PCA8563T/4	
IC5503	6-704-573-01	IC M24C32-WMN6T(B)	
IC5504	6-703-175-01	IC PST3629UL	
IC5505	6-804-648-01	IC MB90F334APMC-GE1	
IC5507	6-712-527-01	IC MM3154XURE	
IC6401	6-712-744-01	IC TK11190CSCL-G	
IC6402	6-710-922-01	IC BD9853AFV-E2	
IC6403	6-710-922-01	IC BD9853AFV-E2	
IC6405	6-711-145-01	IC TPS51124RGER	
IC6570	6-712-749-01	IC MM1701YHBE	
IC6571	6-710-949-01	IC SN0608006PWPR	
IC6572	6-712-787-01	IC MM1701VHBE	
IC6573	6-706-419-01	IC LM393DT (A)	
IC7000	6-712-788-01	IC UPD61300F1-220-LU2-A	
IC7100	6-703-175-01	IC PST3629UL	
IC7101	6-711-288-01	IC MIC2005-0.5YM6TR	
IC7200	6-712-189-01	IC EDE5116AJBG-6E-E	
IC7201	6-712-189-01	IC EDE5116AJBG-6E-E	
IC7300	6-710-648-01	IC NAND256W3A2BN6F	
IC7701	6-707-850-01	IC TC74LCX245FT(EKJ)	
IC7704	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC7705	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC7706	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC7707	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC7708	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC7709	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC7710	6-711-288-01	IC MIC2005-0.5YM6TR	
IC8200	8-753-299-00	IC CXA3767R-T6	
		< SOCKET >	
J1000	1-821-055-12	PHONO JACK 5P	
J3000	1-820-765-11	PHONO JACK 2P	
J3001	1-821-826-11	JACK (SMALL TYPE)	
J3002	1-821-826-11	JACK (SMALL TYPE)	
J3005	1-821-115-11	PHONO JACK (RIGHT ANGLE) 3P	
J8200	1-815-325-11	JACK	
		< COIL >	
L2200	1-412-058-11	INDUCTOR 10UH	
L2201	1-469-549-21	INDUCTOR 1UH	
L2202	1-412-058-11	INDUCTOR 10UH	
L2203	1-412-058-11	INDUCTOR 10UH	
L2204	1-412-058-11	INDUCTOR 10UH	
L2206	1-412-058-11	INDUCTOR 10UH	
L2207	1-412-058-11	INDUCTOR 10UH	
L2208	1-412-058-11	INDUCTOR 10UH	
L2209	1-469-549-21	INDUCTOR 1UH	
L2210	1-469-549-21	INDUCTOR 1UH	
L2211	1-469-549-21	INDUCTOR 1UH	
L2212	1-469-555-21	INDUCTOR 10UH	
L3401	1-457-429-11	INDUCTOR 22UH	
L3402	1-457-429-11	INDUCTOR 22UH	
L3403	1-457-429-11	INDUCTOR 22UH	
L3406	1-457-429-11	INDUCTOR 22UH	
L5502	1-414-754-11	INDUCTOR 10UH	
L5503	1-412-054-21	INDUCTOR 2.2UH	
L6400	1-457-455-11	INDUCTOR 10UH	
L6401	1-457-455-11	INDUCTOR 10UH	
L6402	1-414-398-11	INDUCTOR 10UH	
L6403	1-457-439-11	INDUCTOR 4.7UH	
L6404	1-457-439-11	INDUCTOR 4.7UH	
L6405	1-457-439-11	INDUCTOR 4.7UH	
L6406	1-457-455-11	INDUCTOR 10UH	
L6407	1-457-439-11	INDUCTOR 4.7UH	
L6408	1-457-455-11	INDUCTOR 10UH	
L6409	1-457-455-11	INDUCTOR 10UH	
L6410	1-457-455-11	INDUCTOR 10UH	
L6411	1-457-455-11	INDUCTOR 10UH	
L6412	1-457-455-11	INDUCTOR 10UH	
L6413	1-457-455-11	INDUCTOR 10UH	
L6417	1-457-455-11	INDUCTOR 10UH	
L6418	1-457-455-11	INDUCTOR 10UH	
L6419	1-457-455-11	INDUCTOR 10UH	
L7100	1-457-374-21	INDUCTOR 0UH	
L7400	1-412-058-11	INDUCTOR 10UH	
L8000	1-457-539-11	INDUCTOR 0UH	
L8001	1-457-539-11	INDUCTOR 0UH	
L8002	1-457-539-11	INDUCTOR 0UH	
L8003	1-457-539-11	INDUCTOR 0UH	
L8004	1-457-539-11	INDUCTOR 0UH	
L8005	1-457-539-11	INDUCTOR 0UH	
L8012	1-400-180-21	FERRITE 0UH	
L8200	1-412-058-11	INDUCTOR 10UH	
L8203	1-412-058-11	INDUCTOR 10UH	
L8204	1-412-058-11	INDUCTOR 10UH	
L8205	1-412-058-11	INDUCTOR 10UH	
L8206	1-412-058-11	INDUCTOR 10UH	
		< PROTECTOR MODULE >	
PS6400 ⚠	1-576-736-41	IC LINK 3.15A 24V	
PS6401 ⚠	1-576-736-41	IC LINK 3.15A 24V	
PS6402 ⚠	1-576-736-41	IC LINK 3.15A 24V	
PS6403 ⚠	1-576-736-41	IC LINK 3.15A 24V	
PS6404 ⚠	1-576-736-41	IC LINK 3.15A 24V	

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

BE1

REF.NO.		PART.NO	DESCRIPTION	REMARK
PS6407	⚠	1-576-736-41	IC LINK	3.15A 24V
			< TRANSISTOR >	
Q1000		8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q1001		8-729-029-14	TRANSISTOR DTC144EUA-T106	
Q1002		6-551-775-01	TR 2SA2122G0LS0	
Q1003		6-551-776-01	TR 2SC5950G0LS0	
Q1006		6-551-943-01	TR RT3XBBM-T111-1	
Q1007		6-551-775-01	TR 2SA2122G0LS0	
Q1008		6-551-776-01	TR 2SC5950G0LS0	
Q2201		6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF	
Q2202		6-551-904-01	TR RT3S03M-T111-1	
Q2203		6-551-904-01	TR RT3S03M-T111-1	
Q2204		6-551-904-01	TR RT3S03M-T111-1	
Q2205		8-729-038-28	TRANSISTOR RT1N441C-TP-1	
Q2207		6-550-871-01	TRANSISTOR 2SA2048TL QR	
Q2208		6-550-871-01	TRANSISTOR 2SA2048TL QR	
Q2209		8-729-027-44	TRANSISTOR DTC114TKA-T146	
Q2212		8-729-620-13	TRANSISTOR 2SC4154TP-1EF	
Q3400		6-551-699-01	TRANSISTOR ISA1602AM1TP-1EF	
Q3401		8-729-038-28	TRANSISTOR RT1N441C-TP-1	
Q4500		6-551-904-01	TR RT3S03M-T111-1	
Q4501		6-551-701-01	TRANSISTOR INK0003AC1-T112A-1	
Q4502		6-551-701-01	TRANSISTOR INK0003AC1-T112A-1	
Q4503		6-551-701-01	TRANSISTOR INK0003AC1-T112A-1	
Q4700		8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q4701		8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q4702		8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q4703		8-729-028-86	TRANSISTOR DTA143EUA-T106	
Q5500		6-551-699-01	TRANSISTOR ISA1602AM1TP-1EF	
Q5501		8-729-028-73	TRANSISTOR DTA114EUA-T106	
Q5503		8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q5504		8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q5506		8-729-029-14	TRANSISTOR DTC144EUA-T106	
Q5508		8-729-029-14	TRANSISTOR DTC144EUA-T106	
Q5510		8-729-029-14	TRANSISTOR DTC144EUA-T106	
Q5511		6-551-776-01	TR 2SC5950G0LS0	
Q5512		6-551-776-01	TR 2SC5950G0LS0	
Q6400		8-729-028-73	TRANSISTOR DTA114EUA-T106	
Q6401		6-551-986-01	TR RT3DL1M-T111A-1F	
Q6403		6-551-986-01	TR RT3DL1M-T111A-1F	
Q6404		6-551-986-01	TR RT3DL1M-T111A-1F	
Q6407		6-551-382-01	TRANSISTOR RSS040P03FD5TB	
Q6408		6-551-456-01	TRANSISTOR RTR020P02TL	
Q6409		6-551-123-01	TRANSISTOR RSS065N03FU7TB	
Q6410		6-550-718-01	TRANSISTOR RSR025N03TL	
Q6411		6-551-382-01	TRANSISTOR RSS040P03FD5TB	
Q6412		6-551-123-01	TRANSISTOR RSS065N03FU7TB	
Q6413		6-551-456-01	TRANSISTOR RTR020P02TL	
Q6414		8-729-620-13	TRANSISTOR 2SC4154TP-1EF	
Q6415		6-550-718-01	TRANSISTOR RSR025N03TL	
Q6416		8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q6417		6-551-775-01	TR 2SA2122G0LS0	
Q6418		6-551-986-01	TR RT3DL1M-T111A-1F	
Q6419		8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q6421		6-551-690-01	TRANSISTOR RT3N11M-TP-1	
Q6423		8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q6427		6-550-369-01	TRANSISTOR TPC8109(TE12L)	
Q6430		6-550-663-01	TRANSISTOR RSS100N03FD5TB	
Q6431		6-550-663-01	TRANSISTOR RSS100N03FD5TB	
Q6434		6-551-986-01	TR RT3DL1M-T111A-1F	
Q6436		6-551-986-01	TR RT3DL1M-T111A-1F	
Q6437		6-551-986-01	TR RT3DL1M-T111A-1F	
Q6440		6-550-663-01	TRANSISTOR RSS100N03FD5TB	
Q6441		6-550-663-01	TRANSISTOR RSS100N03FD5TB	
Q6443		6-551-986-01	TR RT3DL1M-T111A-1F	
Q6446		6-551-639-01	TRANSISTOR RTR040N03TL	
Q6447		6-551-639-01	TRANSISTOR RTR040N03TL	
Q7100		6-551-690-01	TRANSISTOR RT3N11M-TP-1	
Q7101		6-551-690-01	TRANSISTOR RT3N11M-TP-1	
Q7400		6-550-232-01	TRANSISTOR 2SA2029FS6T2LQ/R	
Q7401		6-550-232-01	TRANSISTOR 2SA2029FS6T2LQ/R	
Q7402		6-550-232-01	TRANSISTOR 2SA2029FS6T2LQ/R	
Q7403		6-550-232-01	TRANSISTOR 2SA2029FS6T2LQ/R	
Q8000		8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q8200		6-551-943-01	TR RT3XBBM-T111-1	
Q8210		6-551-943-01	TR RT3XBBM-T111-1	
Q8212		6-551-943-01	TR RT3XBBM-T111-1	
			< RESISTOR >	
R1000		1-218-957-11	RES-CHIP 2.2K 5% 1/16W	
R1001		1-218-965-11	RES-CHIP 10K 5% 1/16W	
R1002		1-218-965-11	RES-CHIP 10K 5% 1/16W	
R1016		1-218-953-11	RES-CHIP 1K 5% 1/16W	
R1017		1-218-953-11	RES-CHIP 1K 5% 1/16W	
R1018		1-208-860-81	METAL CHIP 75 0.5% 1/16W	
R1020		1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R1021		1-216-809-11	METAL CHIP 100 5% 1/10W	
R1022		1-216-813-11	METAL CHIP 220 5% 1/10W	
R1023		1-216-853-11	METAL CHIP 470K 5% 1/10W	
R1024		1-216-853-11	METAL CHIP 470K 5% 1/10W	
R1025		1-216-853-11	METAL CHIP 470K 5% 1/10W	
R1026		1-216-811-11	METAL CHIP 150 5% 1/10W	
R1027		1-216-853-11	METAL CHIP 470K 5% 1/10W	
R1028		1-218-949-11	RES-CHIP 470 5% 1/16W	
R1029		1-216-811-11	METAL CHIP 150 5% 1/10W	
R1030		1-218-971-11	RES-CHIP 33K 5% 1/16W	
R1031		1-218-965-11	RES-CHIP 10K 5% 1/16W	
R1033		1-208-860-81	METAL CHIP 75 0.5% 1/16W	

REF.NO.	PART.NO	DESCRIPTION			REMARK
R1036	1-218-953-11	RES-CHIP	1K	5%	1/16W
R1037	1-218-953-11	RES-CHIP	1K	5%	1/16W
R1038	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R1039	1-216-809-11	METAL CHIP	100	5%	1/10W
R1040	1-218-941-81	RES-CHIP	100	5%	1/16W
R1041	1-218-941-81	RES-CHIP	100	5%	1/16W
R1042	1-218-941-81	RES-CHIP	100	5%	1/16W
R1043	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1044	1-216-813-11	METAL CHIP	220	5%	1/10W
R1045	1-218-985-11	RES-CHIP	470K	5%	1/16W
R1046	1-218-985-11	RES-CHIP	470K	5%	1/16W
R1047	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1048	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1049	1-216-811-11	METAL CHIP	150	5%	1/10W
R1050	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1052	1-216-809-11	METAL CHIP	100	5%	1/10W
R1054	1-218-949-11	RES-CHIP	470	5%	1/16W
R1055	1-216-811-11	METAL CHIP	150	5%	1/10W
R1056	1-218-953-11	RES-CHIP	1K	5%	1/16W
R1057	1-218-953-11	RES-CHIP	1K	5%	1/16W
R1058	1-218-971-11	RES-CHIP	33K	5%	1/16W
R1059	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1060	1-218-963-11	RES-CHIP	6.8K	5%	1/16W
R1061	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R1062	1-218-963-11	RES-CHIP	6.8K	5%	1/16W
R1063	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R1064	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R1066	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R1068	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R1070	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R1073	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R1074	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R1076	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R1078	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R1081	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R1083	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R1085	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R2204	1-218-949-11	RES-CHIP	470	5%	1/16W
R2207	1-218-969-11	RES-CHIP	22K	5%	1/16W
R2208	1-218-981-91	RES-CHIP	220K	5%	1/16W
R2213	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2216	1-218-971-11	RES-CHIP	33K	5%	1/16W
R2218	1-218-971-11	RES-CHIP	33K	5%	1/16W
R2219	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2222	1-218-969-11	RES-CHIP	22K	5%	1/16W
R2225	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2227	1-218-949-11	RES-CHIP	470	5%	1/16W
R2229	1-218-949-11	RES-CHIP	470	5%	1/16W
R2233	1-218-969-11	RES-CHIP	22K	5%	1/16W
R2234	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2242	1-218-937-11	RES-CHIP	47	5%	1/16W
R2250	1-218-990-81	SHORT CHIP	0		
R2251	1-218-941-81	RES-CHIP	100	5%	1/16W
R2253	1-216-864-11	SHORT CHIP	0		
R2255	1-218-990-81	SHORT CHIP	0		
R2257	1-218-990-81	SHORT CHIP	0		
R2258	1-218-990-81	SHORT CHIP	0		
R2259	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2266	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3010	1-218-990-81	SHORT CHIP	0		
R3011	1-218-990-81	SHORT CHIP	0		
R3012	1-218-990-81	SHORT CHIP	0		
R3019	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3029	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3035	1-218-977-11	RES-CHIP	100K	5%	1/16W
R3040	1-216-853-11	METAL CHIP	470K	5%	1/10W
R3041	1-216-853-11	METAL CHIP	470K	5%	1/10W
R3042	1-216-853-11	METAL CHIP	470K	5%	1/10W
R3043	1-216-853-11	METAL CHIP	470K	5%	1/10W
R3100	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R3101	1-218-941-81	RES-CHIP	100	5%	1/16W
R3107	1-218-941-81	RES-CHIP	100	5%	1/16W
R3108	1-216-853-11	METAL CHIP	470K	5%	1/10W
R3109	1-216-853-11	METAL CHIP	470K	5%	1/10W
R3110	1-216-853-11	METAL CHIP	470K	5%	1/10W
R3111	1-216-853-11	METAL CHIP	470K	5%	1/10W
R3112	1-216-809-11	METAL CHIP	100	5%	1/10W
R3113	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R3117	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R3119	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R3203	1-218-990-81	SHORT CHIP	0		
R3204	1-218-990-81	SHORT CHIP	0		
R3207	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3208	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3407	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R3408	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R3415	1-218-971-11	RES-CHIP	33K	5%	1/16W
R3416	1-218-971-11	RES-CHIP	33K	5%	1/16W
R3427	1-218-990-81	SHORT CHIP	0		
R3431	1-218-990-81	SHORT CHIP	0		
R3432	1-218-977-11	RES-CHIP	100K	5%	1/16W
R3434	1-218-977-11	RES-CHIP	100K	5%	1/16W
R3453	1-218-981-91	RES-CHIP	220K	5%	1/16W
R3455	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3456	1-218-969-11	RES-CHIP	22K	5%	1/16W
R3457	1-218-949-11	RES-CHIP	470	5%	1/16W
R3458	1-218-973-11	RES-CHIP	47K	5%	1/16W
R3459	1-218-941-81	RES-CHIP	100	5%	1/16W
R3460	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4000	1-218-943-11	RES-CHIP	150	5%	1/16W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R4003	1-218-943-11	RES-CHIP	150	5%	1/16W
R4010	1-218-933-11	RES-CHIP	22	5%	1/16W
R4011	1-218-933-11	RES-CHIP	22	5%	1/16W
R4012	1-218-933-11	RES-CHIP	22	5%	1/16W
R4013	1-218-933-11	RES-CHIP	22	5%	1/16W
R4014	1-218-935-11	RES-CHIP	33	5%	1/16W
R4015	1-218-935-11	RES-CHIP	33	5%	1/16W
R4016	1-218-935-11	RES-CHIP	33	5%	1/16W
R4017	1-218-935-11	RES-CHIP	33	5%	1/16W
R4018	1-218-935-11	RES-CHIP	33	5%	1/16W
R4019	1-218-935-11	RES-CHIP	33	5%	1/16W
R4020	1-218-933-11	RES-CHIP	22	5%	1/16W
R4021	1-218-933-11	RES-CHIP	22	5%	1/16W
R4022	1-218-933-11	RES-CHIP	22	5%	1/16W
R4023	1-218-933-11	RES-CHIP	22	5%	1/16W
R4028	1-218-933-11	RES-CHIP	22	5%	1/16W
R4029	1-218-933-11	RES-CHIP	22	5%	1/16W
R4032	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R4033	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R4034	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R4035	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R4500	1-218-953-11	RES-CHIP	1K	5%	1/16W
R4502	1-218-967-11	RES-CHIP	15K	5%	1/16W
R4512	1-218-953-11	RES-CHIP	1K	5%	1/16W
R4513	1-218-953-11	RES-CHIP	1K	5%	1/16W
R4514	1-218-967-11	RES-CHIP	15K	5%	1/16W
R4515	1-218-967-11	RES-CHIP	15K	5%	1/16W
R4525	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4528	1-218-977-11	RES-CHIP	100K	5%	1/16W
R4529	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R4533	1-218-941-81	RES-CHIP	100	5%	1/16W
R4534	1-218-941-81	RES-CHIP	100	5%	1/16W
R4535	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4537	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4538	1-218-981-91	RES-CHIP	220K	5%	1/16W
R4540	1-218-981-91	RES-CHIP	220K	5%	1/16W
R4541	1-218-981-91	RES-CHIP	220K	5%	1/16W
R4542	1-218-941-81	RES-CHIP	100	5%	1/16W
R4708	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4709	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4728	1-218-990-81	SHORT CHIP	0		
R4756	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R4757	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R5016	1-216-864-11	SHORT CHIP	0		
R5020	1-216-864-11	SHORT CHIP	0		
R5021	1-216-864-11	SHORT CHIP	0		
R5022	1-208-635-11	METAL CHIP	10	0.5%	1/16W
R5024	1-208-635-11	METAL CHIP	10	0.5%	1/16W
R5501	1-216-864-11	SHORT CHIP	0		
R5502	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R5503	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5504	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5505	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5506	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5508	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5509	1-218-941-81	RES-CHIP	100	5%	1/16W
R5512	1-218-941-81	RES-CHIP	100	5%	1/16W
R5514	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5518	1-218-973-11	RES-CHIP	47K	5%	1/16W
R5522	1-218-973-11	RES-CHIP	47K	5%	1/16W
R5527	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R5528	1-243-975-11	METAL CHIP	4.7M	5%	1/16W
R5530	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5531	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5533	1-218-945-11	RES-CHIP	220	5%	1/16W
R5541	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5542	1-218-970-11	RES-CHIP	27K	5%	1/16W
R5544	1-218-990-81	SHORT CHIP	0		
R5555	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5563	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5568	1-218-941-81	RES-CHIP	100	5%	1/16W
R5569	1-218-945-11	RES-CHIP	220	5%	1/16W
R5570	1-218-941-81	RES-CHIP	100	5%	1/16W
R5571	1-218-941-81	RES-CHIP	100	5%	1/16W
R5572	1-218-933-11	RES-CHIP	22	5%	1/16W
R5574	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5576	1-218-941-81	RES-CHIP	100	5%	1/16W
R5578	1-218-941-81	RES-CHIP	100	5%	1/16W
R5590	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5592	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R5604	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5614	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R5616	1-218-941-81	RES-CHIP	100	5%	1/16W
R5617	1-218-963-11	RES-CHIP	6.8K	5%	1/16W
R5621	1-218-941-81	RES-CHIP	100	5%	1/16W
R5623	1-218-941-81	RES-CHIP	100	5%	1/16W
R5629	1-218-941-81	RES-CHIP	100	5%	1/16W
R5630	1-218-963-11	RES-CHIP	6.8K	5%	1/16W
R5631	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R5639	1-218-941-81	RES-CHIP	100	5%	1/16W
R5643	1-218-941-81	RES-CHIP	100	5%	1/16W
R5644	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5646	1-218-941-81	RES-CHIP	100	5%	1/16W
R5647	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R5649	1-218-941-81	RES-CHIP	100	5%	1/16W
R5655	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5656	1-218-949-11	RES-CHIP	470	5%	1/16W
R5669	1-218-969-11	RES-CHIP	22K	5%	1/16W
R5670	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5671	1-218-965-11	RES-CHIP	10K	5%	1/16W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R5674	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5675	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5676	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5677	1-218-941-81	RES-CHIP	100	5%	1/16W
R5678	1-218-941-81	RES-CHIP	100	5%	1/16W
R5680	1-218-941-81	RES-CHIP	100	5%	1/16W
R5684	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R5685	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R5686	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R5689	1-218-941-81	RES-CHIP	100	5%	1/16W
R5690	1-218-941-81	RES-CHIP	100	5%	1/16W
R5700	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R5702	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6401	1-218-953-11	RES-CHIP	1K	5%	1/16W
R6402	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6403	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6405	1-218-953-11	RES-CHIP	1K	5%	1/16W
R6408	1-218-941-81	RES-CHIP	100	5%	1/16W
R6409	1-218-969-11	RES-CHIP	22K	5%	1/16W
R6411	1-216-809-11	METAL CHIP	100	5%	1/10W
R6415	1-216-864-11	SHORT CHIP	0		
R6416	1-218-949-11	RES-CHIP	470	5%	1/16W
R6417	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6418	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R6419	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R6420	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R6421	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R6423	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6424	1-218-943-11	RES-CHIP	150	5%	1/16W
R6426	1-208-703-11	METAL CHIP	6.8K	0.5%	1/16W
R6427	1-218-941-11	RES-CHIP	100	5%	1/16W
R6428	1-208-890-11	METAL CHIP	1.3K	0.5%	1/16W
R6430	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6432	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R6437	1-218-990-81	SHORT CHIP	0		
R6439	1-218-967-11	RES-CHIP	15K	5%	1/16W
R6443	1-208-909-11	METAL CHIP	8.2K	0.5%	1/16W
R6454	1-218-941-81	RES-CHIP	100	5%	1/16W
R6455	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6459	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R6461	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R6462	1-218-941-11	RES-CHIP	100	5%	1/16W
R6463	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R6466	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6467	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R6468	1-208-883-81	METAL CHIP	680	0.5%	1/16W
R6469	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R6470	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6473	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6474	1-208-683-11	METAL CHIP	1K	0.5%	1/16W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R6475	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R6476	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R6477	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6479	1-218-939-11	RES-CHIP	68	5%	1/16W
R6489	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R6490	1-218-973-11	RES-CHIP	47K	5%	1/16W
R6491	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6495	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6496	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6497	1-218-941-81	RES-CHIP	100	5%	1/16W
R6499	1-218-983-11	RES-CHIP	330K	5%	1/16W
R6500	1-218-973-11	RES-CHIP	47K	5%	1/16W
R6508	1-208-931-11	METAL CHIP	68K	0.5%	1/16W
R6509	1-218-977-11	RES-CHIP	100K	5%	1/16W
R6524	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R6533	1-218-953-11	RES-CHIP	1K	5%	1/16W
R6538	1-208-931-11	METAL CHIP	68K	0.5%	1/16W
R6542	1-208-910-11	METAL CHIP	9.1K	0.5%	1/16W
R6545	1-218-974-11	RES-CHIP	56K	5%	1/16W
R6551	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6553	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R6554	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R6555	1-208-721-11	METAL CHIP	39K	0.5%	1/16W
R6561	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R6562	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6565	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R6568	1-218-941-11	RES-CHIP	100	5%	1/16W
R6583	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6585	1-218-982-11	RES-CHIP	270K	5%	1/16W
R6603	1-218-953-11	RES-CHIP	1K	5%	1/16W
R6609	1-218-967-11	RES-CHIP	15K	5%	1/16W
R6610	1-218-953-11	RES-CHIP	1K	5%	1/16W
R6611	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6623	1-216-864-11	SHORT CHIP	0		
R6624	1-218-977-11	RES-CHIP	100K	5%	1/16W
R6625	1-218-941-81	RES-CHIP	100	5%	1/16W
R6630	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R6631	1-208-931-11	METAL CHIP	68K	0.5%	1/16W
R6632	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R6633	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R6634	1-218-941-81	RES-CHIP	100	5%	1/16W
R7100	1-218-941-81	RES-CHIP	100	5%	1/16W
R7103	1-218-953-11	RES-CHIP	1K	5%	1/16W
R7104	1-218-941-81	RES-CHIP	100	5%	1/16W
R7107	1-218-949-11	RES-CHIP	470	5%	1/16W
R7108	1-218-937-11	RES-CHIP	47	5%	1/16W
R7109	1-218-937-11	RES-CHIP	47	5%	1/16W
R7110	1-220-884-81	METAL CHIP	39	0.5%	1/16W
R7111	1-220-884-81	METAL CHIP	39	0.5%	1/16W
R7112	1-218-949-11	RES-CHIP	470	5%	1/16W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R7113	1-208-688-11	METAL CHIP	1.6K	0.5%	1/16W
R7114	1-218-967-11	RES-CHIP	15K	5%	1/16W
R7115	1-218-967-11	RES-CHIP	15K	5%	1/16W
R7121	1-218-990-81	SHORT CHIP	0		
R7122	1-218-937-11	RES-CHIP	47	5%	1/16W
R7202	1-218-943-11	RES-CHIP	150	5%	1/16W
R7203	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R7204	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R7205	1-218-933-11	RES-CHIP	22	5%	1/16W
R7206	1-218-933-11	RES-CHIP	22	5%	1/16W
R7207	1-218-933-11	RES-CHIP	22	5%	1/16W
R7208	1-218-933-11	RES-CHIP	22	5%	1/16W
R7209	1-218-933-11	RES-CHIP	22	5%	1/16W
R7211	1-218-943-11	RES-CHIP	150	5%	1/16W
R7215	1-218-943-11	RES-CHIP	150	5%	1/16W
R7219	1-218-929-11	RES-CHIP	10	5%	1/16W
R7220	1-218-929-11	RES-CHIP	10	5%	1/16W
R7300	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7302	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7305	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7306	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7308	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7310	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7312	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7313	1-218-949-11	RES-CHIP	470	5%	1/16W
R7315	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7317	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7319	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7321	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7324	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7326	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7328	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7329	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7330	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7331	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7333	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7334	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7337	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7338	1-218-949-11	RES-CHIP	470	5%	1/16W
R7339	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7341	1-218-949-11	RES-CHIP	470	5%	1/16W
R7400	1-218-948-11	RES-CHIP	390	5%	1/16W
R7401	1-218-948-11	RES-CHIP	390	5%	1/16W
R7402	1-218-948-11	RES-CHIP	390	5%	1/16W
R7403	1-218-948-11	RES-CHIP	390	5%	1/16W
R7404	1-218-941-81	RES-CHIP	100	5%	1/16W
R7405	1-218-941-81	RES-CHIP	100	5%	1/16W
R7406	1-218-941-81	RES-CHIP	100	5%	1/16W
R7407	1-218-941-81	RES-CHIP	100	5%	1/16W
R7408	1-220-180-11	RES-CHIP	620	5%	1/16W
R7409	1-220-174-11	RES-CHIP	200	5%	1/16W
R7410	1-220-174-11	RES-CHIP	200	5%	1/16W
R7411	1-220-174-11	RES-CHIP	200	5%	1/16W
R7412	1-208-866-11	METAL CHIP	130	0.5%	1/16W
R7414	1-218-990-81	SHORT CHIP	0		
R7503	1-218-937-11	RES-CHIP	47	5%	1/16W
R7507	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7509	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7510	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7513	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7516	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7518	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7520	1-218-937-11	RES-CHIP	47	5%	1/16W
R7522	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7523	1-218-937-11	RES-CHIP	47	5%	1/16W
R7524	1-218-937-11	RES-CHIP	47	5%	1/16W
R7525	1-218-937-11	RES-CHIP	47	5%	1/16W
R7526	1-218-937-11	RES-CHIP	47	5%	1/16W
R7530	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7531	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7712	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7718	1-218-937-11	RES-CHIP	47	5%	1/16W
R7722	1-218-941-81	RES-CHIP	100	5%	1/16W
R7723	1-218-941-81	RES-CHIP	100	5%	1/16W
R7724	1-218-941-81	RES-CHIP	100	5%	1/16W
R7725	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7726	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7727	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7729	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7730	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7731	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7733	1-218-953-11	RES-CHIP	1K	5%	1/16W
R7734	1-218-937-11	RES-CHIP	47	5%	1/16W
R7735	1-218-953-11	RES-CHIP	1K	5%	1/16W
R7736	1-218-965-11	RES-CHIP	10K	5%	1/16W
R8004	1-218-965-11	RES-CHIP	10K	5%	1/16W
R8007	1-218-990-81	SHORT CHIP	0		
R8008	1-218-941-81	RES-CHIP	100	5%	1/16W
R8009	1-218-935-11	RES-CHIP	33	5%	1/16W
R8010	1-218-935-11	RES-CHIP	33	5%	1/16W
R8011	1-218-935-11	RES-CHIP	33	5%	1/16W
R8012	1-218-935-11	RES-CHIP	33	5%	1/16W
R8013	1-218-935-11	RES-CHIP	33	5%	1/16W
R8014	1-218-935-11	RES-CHIP	33	5%	1/16W
R8015	1-218-935-11	RES-CHIP	33	5%	1/16W
R8016	1-218-935-11	RES-CHIP	33	5%	1/16W
R8017	1-218-935-11	RES-CHIP	33	5%	1/16W
R8018	1-218-935-11	RES-CHIP	33	5%	1/16W
R8019	1-218-935-11	RES-CHIP	33	5%	1/16W
R8020	1-218-935-11	RES-CHIP	33	5%	1/16W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R8021	1-218-935-11	RES-CHIP	33	5%	1/16W
R8022	1-218-935-11	RES-CHIP	33	5%	1/16W
R8023	1-218-935-11	RES-CHIP	33	5%	1/16W
R8024	1-218-935-11	RES-CHIP	33	5%	1/16W
R8025	1-218-935-11	RES-CHIP	33	5%	1/16W
R8026	1-218-935-11	RES-CHIP	33	5%	1/16W
R8027	1-218-935-11	RES-CHIP	33	5%	1/16W
R8028	1-218-935-11	RES-CHIP	33	5%	1/16W
R8029	1-218-935-11	RES-CHIP	33	5%	1/16W
R8030	1-218-935-11	RES-CHIP	33	5%	1/16W
R8031	1-218-935-11	RES-CHIP	33	5%	1/16W
R8032	1-218-935-11	RES-CHIP	33	5%	1/16W
R8033	1-218-935-11	RES-CHIP	33	5%	1/16W
R8034	1-218-935-11	RES-CHIP	33	5%	1/16W
R8035	1-218-935-11	RES-CHIP	33	5%	1/16W
R8036	1-218-935-11	RES-CHIP	33	5%	1/16W
R8037	1-218-935-11	RES-CHIP	33	5%	1/16W
R8038	1-218-935-11	RES-CHIP	33	5%	1/16W
R8039	1-218-941-81	RES-CHIP	100	5%	1/16W
R8042	1-218-941-81	RES-CHIP	100	5%	1/16W
R8043	1-218-941-81	RES-CHIP	100	5%	1/16W
R8048	1-218-937-11	RES-CHIP	47	5%	1/16W
R8050	1-218-941-81	RES-CHIP	100	5%	1/16W
R8051	1-218-941-81	RES-CHIP	100	5%	1/16W
R8052	1-218-941-81	RES-CHIP	100	5%	1/16W
R8078	1-218-965-11	RES-CHIP	10K	5%	1/16W
R8081	1-218-963-11	RES-CHIP	6.8K	5%	1/16W
R8082	1-218-963-11	RES-CHIP	6.8K	5%	1/16W
R8086	1-218-965-11	RES-CHIP	10K	5%	1/16W
R8089	1-218-965-11	RES-CHIP	10K	5%	1/16W
R8092	1-218-965-11	RES-CHIP	10K	5%	1/16W
R8094	1-218-965-11	RES-CHIP	10K	5%	1/16W
R8098	1-218-965-11	RES-CHIP	10K	5%	1/16W
R8100	1-218-965-11	RES-CHIP	10K	5%	1/16W
R8102	1-218-965-11	RES-CHIP	10K	5%	1/16W
R8104	1-218-965-11	RES-CHIP	10K	5%	1/16W
R8108	1-218-941-81	RES-CHIP	100	5%	1/16W
R8109	1-218-941-81	RES-CHIP	100	5%	1/16W
R8207	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R8208	1-218-941-81	RES-CHIP	100	5%	1/16W
R8215	1-218-949-11	RES-CHIP	470	5%	1/16W
R8216	1-218-949-11	RES-CHIP	470	5%	1/16W
R8235	1-218-945-11	RES-CHIP	220	5%	1/16W
R8236	1-218-945-11	RES-CHIP	220	5%	1/16W
R8237	1-218-945-11	RES-CHIP	220	5%	1/16W

< RESISTOR CHIP >

RB1000	1-234-382-21	RES, NETWORK 220K	(1005X4)
RB1001	1-234-382-21	RES, NETWORK 220K	(1005X4)
RB1002	1-239-678-81	RESISTOR, NETWORK 220	
RB1005	1-234-372-11	RES, NETWORK 100	(1005X4)
RB1007	1-239-674-81	RESISTOR, NETWORK 100	
RB1008	1-239-682-11	RESISTOR, NETWORK 470	
RB1010	1-239-678-81	RESISTOR, NETWORK 220	
RB1011	1-234-372-11	RES, NETWORK 100	(1005X4)
RB2200	1-239-670-81	RESISTOR, NETWORK 47	
RB2201	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB2202	1-239-674-81	RESISTOR, NETWORK 100	
RB2203	1-239-666-81	RESISTOR, NETWORK 22	
RB2263	1-239-694-81	RESISTOR, NETWORK 4.7K	
RB3005	1-239-698-11	RESISTOR, NETWORK 10K	
RB3006	1-239-674-81	RESISTOR, NETWORK 100	
RB3010	1-239-686-11	RESISTOR, NETWORK 1K	
RB3011	1-239-686-11	RESISTOR, NETWORK 1K	
RB3021	1-239-674-81	RESISTOR, NETWORK 100	
RB3023	1-239-686-11	RESISTOR, NETWORK 1K	
RB3024	1-239-678-81	RESISTOR, NETWORK 220	
RB3400	1-234-381-11	RES, NETWORK 100K	(1005X4)
RB3401	1-234-382-21	RES, NETWORK 220K	(1005X4)
RB3402	1-239-674-81	RESISTOR, NETWORK 100	
RB4012	1-234-892-21	RES, CHIP NETWORK 33X8	(3816)
RB4013	1-234-892-21	RES, CHIP NETWORK 33X8	(3816)
RB4014	1-242-963-21	RES, NETWORK 33	(1005X4)
RB4015	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)
RB4016	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)
RB4017	1-234-370-21	RES, NETWORK 22	(1005X4)
RB4018	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)
RB4019	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)
RB4020	1-234-370-21	RES, NETWORK 22	(1005X4)
RB4501	1-239-674-81	RESISTOR, NETWORK 100	
RB4502	1-239-700-81	RESISTOR, NETWORK 15K	
RB4512	1-239-674-81	RESISTOR, NETWORK 100	
RB4513	1-239-674-81	RESISTOR, NETWORK 100	
RB4514	1-239-700-81	RESISTOR, NETWORK 15K	
RB4515	1-239-700-81	RESISTOR, NETWORK 15K	
RB4528	1-239-670-81	RESISTOR, NETWORK 47	
RB4529	1-239-686-11	RESISTOR, NETWORK 1K	
RB4702	1-239-674-81	RESISTOR, NETWORK 100	
RB4703	1-239-674-81	RESISTOR, NETWORK 100	
RB4704	1-239-701-81	RESISTOR, NETWORK 18K	
RB4705	1-239-701-81	RESISTOR, NETWORK 18K	
RB4706	1-239-674-81	RESISTOR, NETWORK 100	
RB4707	1-234-723-11	RES, NETWORK 75	(1005X4)
RB4708	1-239-701-81	RESISTOR, NETWORK 18K	
RB4709	1-239-701-81	RESISTOR, NETWORK 18K	
RB4711	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB4712	1-234-371-21	RES, NETWORK 47	(1005X4)
RB5001	1-239-674-81	RESISTOR, NETWORK 100	
RB5002	1-239-674-81	RESISTOR, NETWORK 100	
RB5003	1-239-674-81	RESISTOR, NETWORK 100	

REF.NO.	PART.NO	DESCRIPTION	REMARK
RB5500	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5501	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5502	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5503	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5504	1-234-377-21	RES, NETWORK 4.7K	(1005X4)
RB5506	1-239-690-81	RESISTOR, NETWORK 2.2K	
RB5507	1-239-690-81	RESISTOR, NETWORK 2.2K	
RB5508	1-234-376-11	RES, NETWORK 2.2K	(1005X4)
RB5509	1-239-674-81	RESISTOR, NETWORK 100	
RB5510	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5511	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5512	1-234-376-11	RES, NETWORK 2.2K	(1005X4)
RB5514	1-239-690-81	RESISTOR, NETWORK 2.2K	
RB5515	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB5516	1-239-674-81	RESISTOR, NETWORK 100	
RB5517	1-239-698-11	RESISTOR, NETWORK 10K	
RB5518	1-239-674-81	RESISTOR, NETWORK 100	
RB5520	1-239-674-81	RESISTOR, NETWORK 100	
RB5521	1-239-690-81	RESISTOR, NETWORK 2.2K	
RB5522	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5523	1-239-690-81	RESISTOR, NETWORK 2.2K	
RB5524	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5525	1-239-674-81	RESISTOR, NETWORK 100	
RB5526	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5527	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5528	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5530	1-234-376-11	RES, NETWORK 2.2K	(1005X4)
RB6401	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)
RB6403	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB6404	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB6405	1-239-698-11	RESISTOR, NETWORK 10K	
RB6406	1-239-698-11	RESISTOR, NETWORK 10K	
RB7100	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB7103	1-239-698-11	RESISTOR, NETWORK 10K	
RB7104	1-239-670-81	RESISTOR, NETWORK 47	
RB7105	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7200	1-234-370-21	RES, NETWORK 22	(1005X4)
RB7201	1-234-702-11	RES, NETWORK 68	(1005X4)
RB7202	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)
RB7203	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)
RB7300	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB7301	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB7302	1-239-670-81	RESISTOR, NETWORK 47	
RB7303	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB7304	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB7305	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7306	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7400	1-239-694-81	RESISTOR, NETWORK 4.7K	
RB7402	1-234-372-11	RES, NETWORK 100	(1005X4)
RB7404	1-234-371-21	RES, NETWORK 47	(1005X4)

REF.NO.	PART.NO	DESCRIPTION	REMARK
RB7500	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7501	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB7503	1-239-670-81	RESISTOR, NETWORK 47	
RB7504	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7505	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7506	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7508	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7509	1-239-670-81	RESISTOR, NETWORK 47	
RB7511	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB7513	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB7517	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7518	1-234-799-21	RES, CHIP NETWORK 10KX8	(3816)
RB7520	1-239-670-81	RESISTOR, NETWORK 47	
RB7521	1-239-670-81	RESISTOR, NETWORK 47	
RB7522	1-239-670-81	RESISTOR, NETWORK 47	
RB7523	1-239-698-11	RESISTOR, NETWORK 10K	
RB7524	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB7706	1-239-698-11	RESISTOR, NETWORK 10K	
RB7707	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7709	1-239-698-11	RESISTOR, NETWORK 10K	
RB7712	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB7713	1-234-799-21	RES, CHIP NETWORK 10KX8	(3816)
RB7714	1-234-799-21	RES, CHIP NETWORK 10KX8	(3816)
RB7715	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB7716	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB7717	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB8005	1-239-674-81	RESISTOR, NETWORK 100	
RB8006	1-239-674-81	RESISTOR, NETWORK 100	
RB8007	1-239-674-81	RESISTOR, NETWORK 100	
RB8008	1-239-674-81	RESISTOR, NETWORK 100	
RB8009	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8010	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8011	1-239-674-81	RESISTOR, NETWORK 100	
RB8012	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8014	1-239-674-81	RESISTOR, NETWORK 100	
RB8015	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8016	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8017	1-239-674-81	RESISTOR, NETWORK 100	
RB8018	1-239-690-81	RESISTOR, NETWORK 2.2K	
RB8201	1-239-674-81	RESISTOR, NETWORK 100	
RB8210	1-239-674-81	RESISTOR, NETWORK 100	
RB8213	1-239-674-81	RESISTOR, NETWORK 100	
RB8214	1-239-674-81	RESISTOR, NETWORK 100	
RB8215	1-239-674-81	RESISTOR, NETWORK 100	
RB8216	1-239-674-81	RESISTOR, NETWORK 100	
RB8217	1-239-674-81	RESISTOR, NETWORK 100	
RB8220	1-239-682-11	RESISTOR, NETWORK 470	
RB8222	1-239-698-11	RESISTOR, NETWORK 10K	
RB8223	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8224	1-234-372-11	RES, NETWORK 100	(1005X4)

REF.NO.	PART.NO	DESCRIPTION	REMARK
RB8225	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8226	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8227	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8228	1-234-372-11	RES, NETWORK 100	(1005X4)
TP6400	1-535-757-11	CHIP, CHECKER	
TP6401	1-535-757-11	CHIP, CHECKER	
		< VARISTOR >	
VD1000	1-802-078-11	VARISTOR (SMD)	
VD1001	1-802-078-11	VARISTOR (SMD)	
VD1002	1-802-078-11	VARISTOR (SMD)	
VD3000	1-802-078-11	VARISTOR (SMD)	
VD3004	1-802-078-11	VARISTOR (SMD)	
VD3005	1-802-078-11	VARISTOR (SMD)	
VD3006	1-802-078-11	VARISTOR (SMD)	
VD3007	1-802-493-21	VARISTOR, NETWORK (1005X2)	
VD4500	1-802-078-11	VARISTOR (SMD)	
VD4501	1-802-078-11	VARISTOR (SMD)	
VD4502	1-802-481-11	ESD SUPPRESSOR (4 ARRAY)	
VD4503	1-802-481-11	ESD SUPPRESSOR (4 ARRAY)	
VD4504	1-802-481-11	ESD SUPPRESSOR (4 ARRAY)	
VD4505	1-802-481-11	ESD SUPPRESSOR (4 ARRAY)	
VD4506	1-802-078-11	VARISTOR (SMD)	
VD4507	1-802-078-11	VARISTOR (SMD)	
VD4509	1-802-481-11	ESD SUPPRESSOR (4 ARRAY)	
VD4510	1-802-481-11	ESD SUPPRESSOR (4 ARRAY)	
VD4511	1-802-078-11	VARISTOR (SMD)	
VD4512	1-802-078-11	VARISTOR (SMD)	
VD7100	1-804-988-21	VARISTOR, CHIP	(1608)
		< CRYSTAL >	
X5500	1-813-784-21	VIBRATOR, CRYSTAL	
X5501	1-795-537-21	VIBRATOR, CRYSTAL	
X7100	1-814-145-11	QUARTS CRYSTAL UNIT	
X7101	1-813-990-11	QUARTS CRYSTAL 30MHZ	
X8000	1-781-867-21	VIBRATOR, CRYSTAL	

* A-1510-350-A H3E Board, Complete

REF.NO.	PART.NO	DESCRIPTION	REMARK
		< CAPACITOR >	
C302	1-100-916-11	CERAMIC CHIP 0.1UF 10% 16V	
C303	1-114-399-21	ELECT CHIP 47UF 20% 6.3V	
C304	1-114-130-11	CERAMIC CHIP 1UF 6.3V	
		< CONNECTOR >	
CN301	1-820-288-11	HEADER ASSEMBLY (PRINT PWB) 9P	
		< DIODE >	
D302	8-719-036-94	DIODE RD5.6SB-T1	
D308	6-502-297-01	DI FR1105W-730-TR	
D322	6-502-297-01	DI FR1105W-730-TR	
D323	6-502-296-01	DI VYPY1105W-5C43A-TR	
D324	6-502-297-01	DI FR1105W-730-TR	
D325	6-502-296-01	DI VYPY1105W-5C43A-TR	
		< IC >	
IC301	6-600-680-01	PHOTO DIODE BH1690FVC-TR	
		< TRANSISTOR >	
Q301	6-551-815-01	TR UNR52A1G0LS0	
Q302	6-551-815-01	TR UNR52A1G0LS0	
Q303	6-551-815-01	TR UNR52A1G0LS0	
Q304	6-551-815-01	TR UNR52A1G0LS0	
Q305	6-551-815-01	TR UNR52A1G0LS0	
Q306	6-551-699-01	TRANSISTOR ISA1602AM1TP-1EF	
		< RESISTOR >	
R301	1-208-871-81	METAL CHIP 220 0.5% 1/16W	
R302	1-208-885-11	METAL CHIP 820 0.5% 1/16W	
R303	1-208-663-11	METAL CHIP 150 0.5% 1/16W	
R304	1-208-683-11	METAL CHIP 1K 0.5% 1/16W	
R305	1-208-683-11	METAL CHIP 1K 0.5% 1/16W	
R306	1-218-990-81	SHORT CHIP 0	
R307	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R309	1-218-990-81	SHORT CHIP 0	
R310	1-218-981-91	RES-CHIP 220K 5% 1/16W	
R311	1-218-965-11	RES-CHIP 10K 5% 1/16W	
R312	1-218-971-11	RES-CHIP 33K 5% 1/16W	
R314	1-218-953-11	RES-CHIP 1K 5% 1/16W	

* A-1510-351-A H4 Board, Complete

REF.NO.	PART.NO	DESCRIPTION	REMARK
		< CAPACITOR >	
C401	1-112-068-11	CERAMIC CHIP 220PF 10% 50V	
C402	1-100-909-11	CERAMIC CHIP 10UF 10% 6.3V	
		< CONNECTOR >	
CN401	1-820-180-11	HEADER ASSEMBLY (PRINT PWB) 3P	
		< IC >	
IC401	6-600-681-01	IC RS-770N	
		< RESISTOR >	
R401	1-218-949-11	RES-CHIP 470 5% 1/16W	
R402	1-218-937-11	RES-CHIP 47 5% 1/16W	

REF.NO.	PART.NO	DESCRIPTION	REMARK

ACCESSORIES AND CONNECTORS

	*1-835-210-11	LVDS HARNESS (32) (TCON-CN8000(BE1))	(32 inches)
	*1-910-045-34	CONNECTOR ASSY 13P (CN6401(BE1)-(G1D/IP5)	(32/40/46 inches)
	*1-910-045-37	CONNECTOR ASSY 14P (CN6402(BE1)-(G1D) -INVERTER	(32 inches)
	*1-910-045-46	SP CONNECTOR ASSY 4 (CN3400(BE1)-SP	(32 inches)
	*1-910-045-55	CONNECTOR ASSY 20P (CN5500(BE1)- CN301(H3)-CN401(H4)-(CN101)SWITCH UNIT-LOGO BOARD))	(32 inches)
	*1-835-147-11	CONNECTOR ASSY, MDF61 (IP5-BALANCER)	(40 inches)
	*1-910-045-39	XA CONNECTOR ASSY 5P (CN6402(BE1)-IP5/G5)	(40/46/52 inches)
	*1-910-045-41	XA CONNECTOR ASSY 7P (IP5-BALANCER BOARD)	(40 inches)
	*1-910-045-47	SP CONNECTOR ASSY 4 (CN3400(BE1)-SP	(40/46 inches)
	*1-966-061-11	HARNESS WITH CONNECTOR (LVDS) (TCON-CN8000(BE1))	(40 inches)
	*1-910-045-56	CONNECTOR ASSY 20P (CN5500(BE1)- CN301(H3)-CN401(H4)-(CN101)SWITCH UNIT-LOGO BOARD))	(40 inches)
	*1-835-148-11	CONNECTOR ASSY, MDF61 (IP5-BALANCER)	(46 inches)
	*1-835-215-11	LVDS HARNESS (46) (TCON-CN8000(BE1))	(46 inches)
	*1-910-045-43	XA CONNECTOR ASSY 7P (IP5-BALANCER BOARD)	(46 inches)
	*1-910-045-48	SP CONNECTOR ASSY 4 (CN3400(BE1)-SP	(46 inches)
	*1-910-046-61	CONNECTOR ASSY 20P (CN5500(BE1)- CN301(H3)-CN401(H4)-(CN101)SWITCH UNIT-LOGO BOARD))	(46 inches)
	*1-835-146-11	CONNECTOR ASSY, MDF61 (D4-BALANCER)	(52 inches)
	*1-835-149-11	CONNECTOR ASSY, MDF61 (D5-BALANCER)	(52 inches)
	*1-835-228-11	CONNECTOR ASSY (CN6600(D4)-CN6501(G5))	(52 inches)
	*1-835-301-11	CONNECTOR ASSY (CN6500(G5)-CN6900(D5))	(52 inches)
	*1-910-045-35	CONNECTOR ASSY 13P (CN6401(BE1)-G5	(52 inches)
	*1-910-045-40	XA CONNECTOR ASSY 8P (CN6702(D4)-CN6153(G5))	(52 inches)
	*1-910-045-44	XA CONNECTOR ASSY 9P (D4-BALANCER)	(52 inches)
	*1-910-045-45	XA CONNECTOR ASSY 10P (CN6703(D4)-CN6950(D5))	(52 inches)
	*1-910-045-49	SP CONNECTOR ASSY 4 (CN3400(BE1)-SP	(52 inches)
	*1-966-064-11	HARNESS WITH CONNECTOR (LVDS) (TCON-CN8000(BE1))	(52 inches)
	*1-910-045-57	CONNECTOR ASSY 20P (CN5500(BE1)- CN301(H3)-CN401(H4)-(CN101)SWITCH UNIT-LOGO BOARD))	(52 inches)
	*3-298-243-11	INSTRUCTION MANUAL (UK) ENGLISH	
	*3-298-243-21	INSTRUCTION MANUAL (E)	GERMAN/FRENCH/ITALIAN/DUTCH
	*3-298-243-31	INSTRUCTION MANUAL (E)	SPANISH/PORTUGUESE/GREEK
	*3-298-243-41	INSTRUCTION MANUAL (K) ENGLISH/RUSSIAN/	POLISH/CZECH/SLOVAK/HUNGARIAN
	*3-298-243-51	INSTRUCTION MANUAL (K) NORWEGIAN/SWEDISH/	FINNISH/DANISH/TURKISH
	*3-298-243-61	INSTRUCTION MANUAL (K) ENGLISH/RUSSIAN	

REMOTE COMMANDER

	1-480-778-11	REMOTE COMMANDER (RM-ED011)	

9-927-591-03

Sony Corporation
Sony UK
Service Promotions Dept.

English
08FP7100-1
Printed in U.K.
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